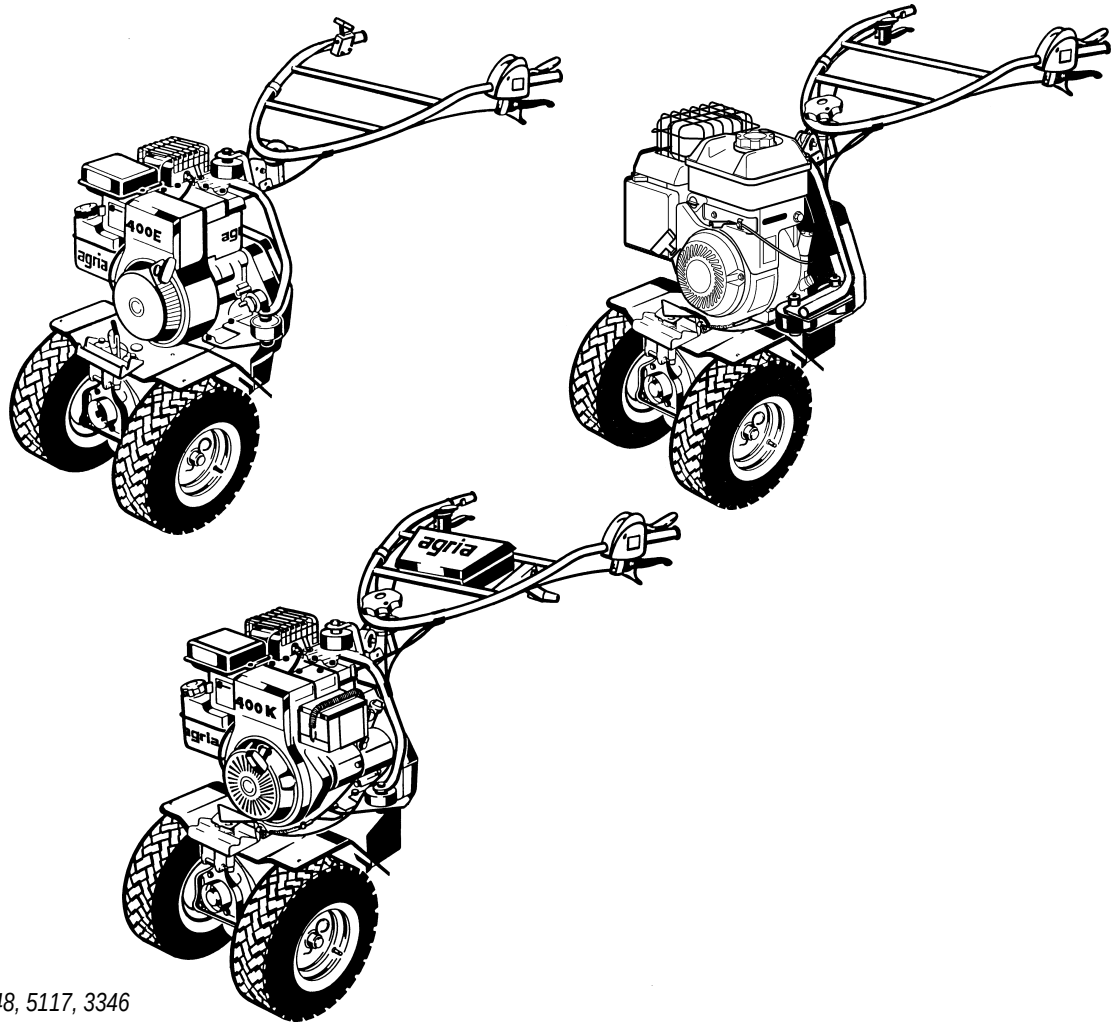
Original

Operating Instructions

agria

Multi-Purpose Machine 400E and 400K

Briggs&Stratton engine



3348, 5117, 3346

Before commissioning the machine, read operating instructions and observe warnings and safety instructions.

CE

Operating Instructions No. 998 702-C 01.10

GB

Please complete:

Machine Type No.:.....
Identification No.:
.....
EngineType:.....
Engine No.:.....
Date of Purchase:.....

For name plate, refer to p3/fig. A/9 or p7/fig. C/9.

For engine type and number, refer to p3/fig. B/6 or p7/D/6.

Please state these data when ordering spare parts to avoid wrong deliveries.

Only use original agria spare parts!

Specifications, figures and dimensions stated in these instructions are not binding. No claims can be derived from them. We reserve the right for improvements without changing these instructions.

Amount of delivery:

- *Operating instructions*
- *Grassland mower – basic machine*
- *Steering handle with grip screw*
- *Tool kit*

version 400K additionally:

- *Starter battery with battery acid*

Symbols:

Warning – Danger

Important information

Fuel

Choke

Engine

Air filter

Engine oil

Engine oil level

Transmission oil level

Visual check

Mowing drive

Wheel drive

Forward

Reverse

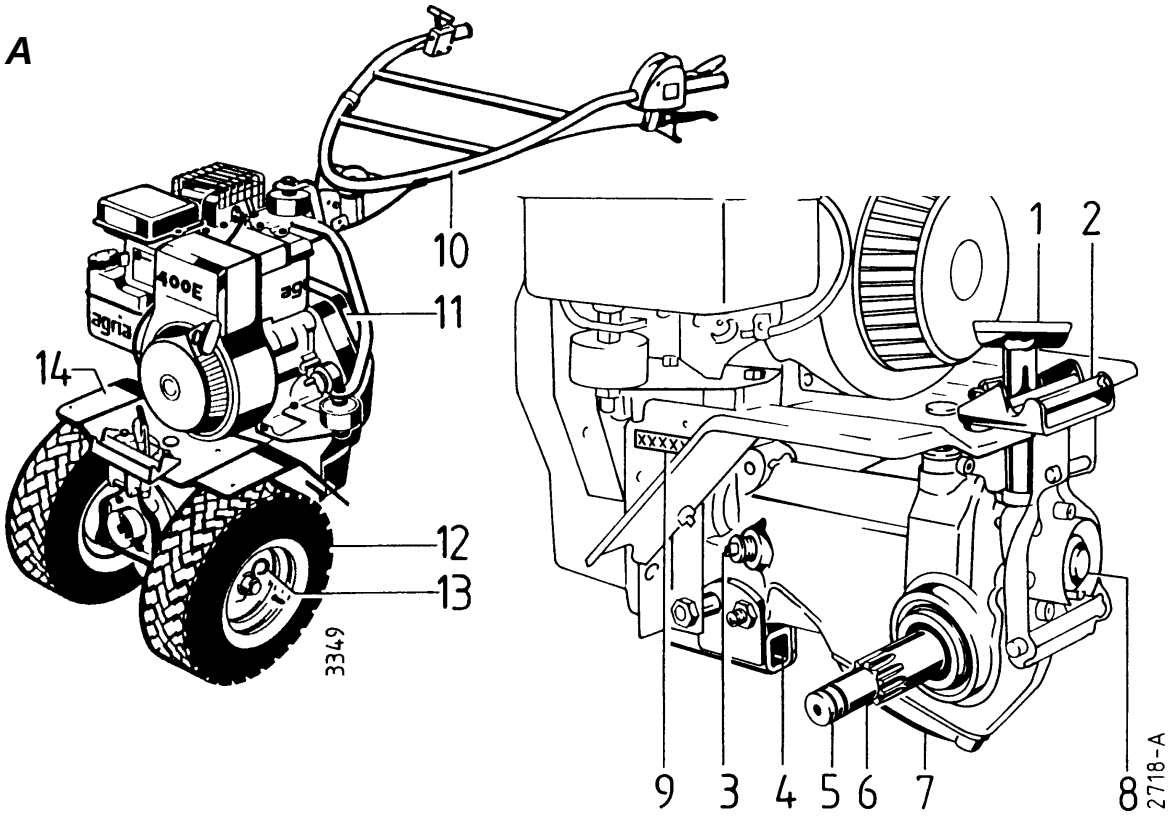
Open (unlocked)

Closed (locked)

PTO

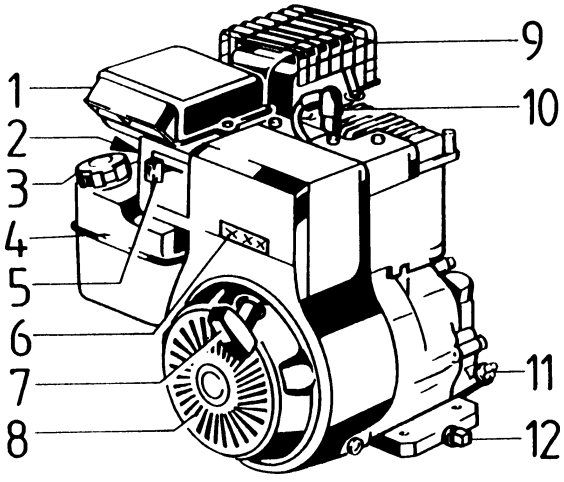
→agria - Service← *= contact Your agria workshop*

A



B

Version
Briggs & Stratton 5 HP
135 202



Version
Briggs & Stratton Power Built 190
110 412

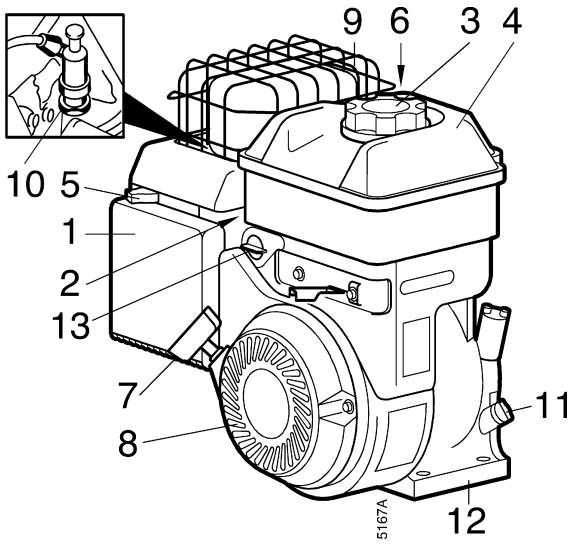


Figure A

1 *Pto speed shift lever*
2 *Linkage for front attachments*
3 *Transmission oil plug (filling and checking oil level)*
4 *Linkage for rear attachments*
5 *Grooves on wheel shaft*
6 *Wheel shaft*
7 *Gearbox cover/Transmission oil drain opening*
8 *Pto/pto guard*
9 *Name plate (machine identification no.)*
10 *Handlebar*
11 *V-belt guard (V-belt clutch)*
12 *Drive wheel*
13 *Drive-wheel detent spring*
14 *Guard*

Figure B

1 *Air filter*
2 *Carburetor*
3 *Fuel tank cap*
4 *Fuel tank*
5 *Choke lever*
6 *Engine type no.*
7 *Starter handle*
8 *Cooling air-screen*
9 *Exhaust with guard*
10 *Spark plug/spark plug connector*
11 *Engine oil filler plug and control opening*
12 *Engine oil drain plug*
13 *Fuel tap (only version Power Built 190)*

Amount of delivery 2

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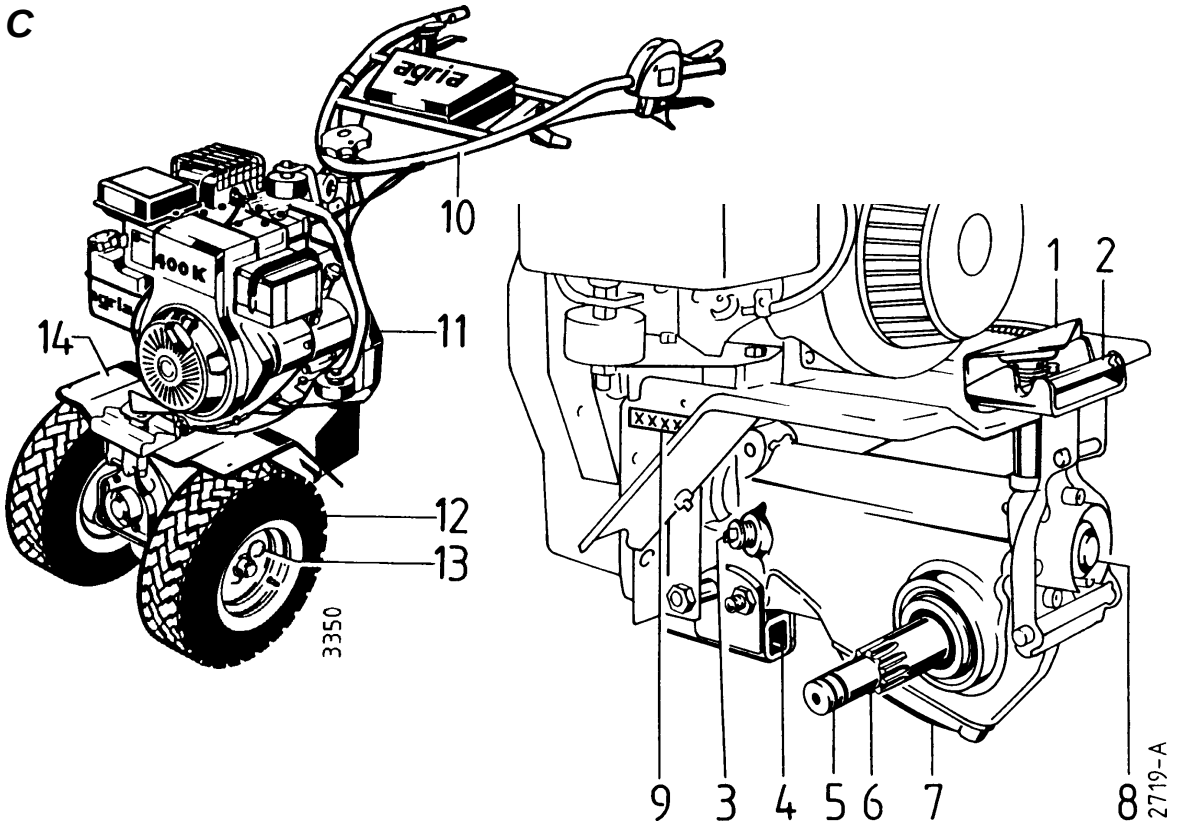
agria
400 K
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XXXX
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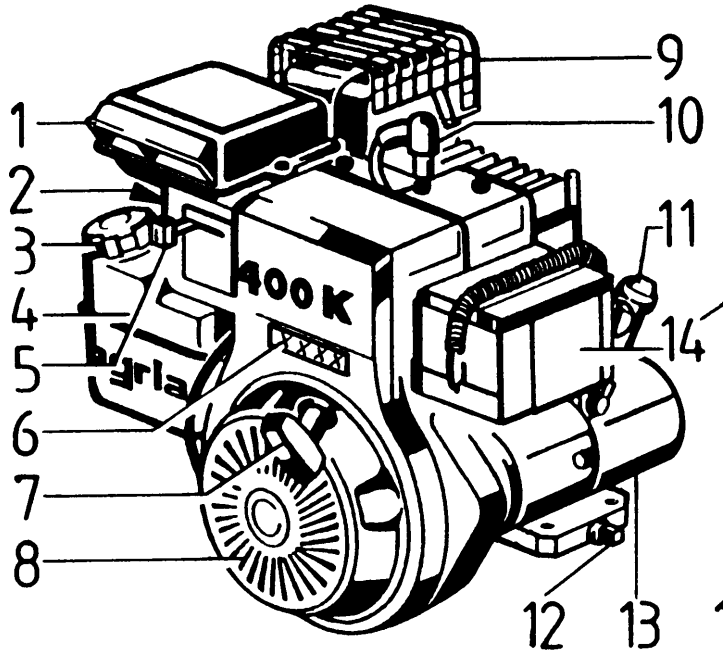
2719-A

D


9
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400 K
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agria
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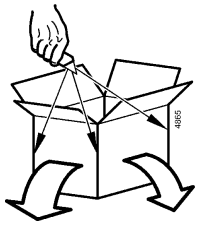
13

Figure C

1 *Pto speed shift lever*
2 *Linkage for front attachments*
3 *Transmission oil plug (filling and checking oil level)*
4 *Linkage for rear attachments*
5 *Grooves on wheel shaft*
6 *Wheel shaft*
7 *Gearbox cover/Transmission oil drain opening*
8 *Pto/pto guard*
9 *Name plate (machine identification no.)*
10 *Handlebar*
11 *V-belt guard (V-belt clutch)*
12 *Drive wheel*
13 *Drive-wheel detent spring*
14 *Guard*

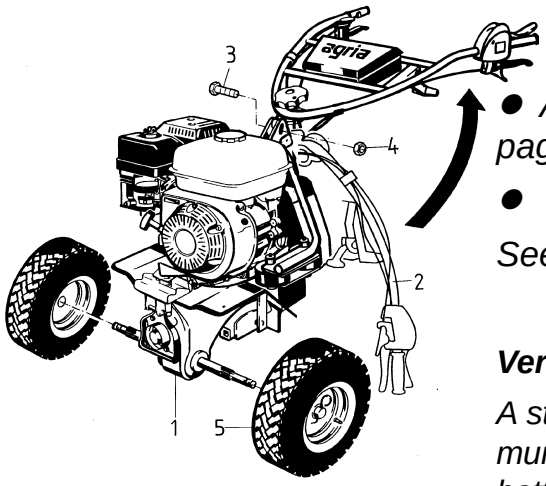
Figure D

1 *Air filter*
2 *Carburetor*
3 *Fuel tank cap*
4 *Fuel tank*
5 *Choke lever*
6 *Engine type no.*
7 *Starter handle*
8 *Cooling air-screen*
9 *Exhaust with guard*
10 *Spark plug/spark plug connector*
11 *Engine oil filler plug and dip-stick*
12 *Engine oil drain plug*
13 *Electric starter*
14 *Battery*



- *Open the box top.*
- *Cut the two rear corners open and fold down the side.*
- *Remove the steering handle attachment bolt (3 + 4).*
- *Pivot the steering handle (2) upwards. Then attach and tighten the bolt (3 + 4).*
- *Attach the drive wheels (see instructions on page 26).*
- ***Starting-up***

See instructions on page 41).



Version Type 400K additionally:

A standard battery charger with 12V DC and a maximum charge of 0.6 A should be used for the 12V 6Ah battery (motorcycle battery).

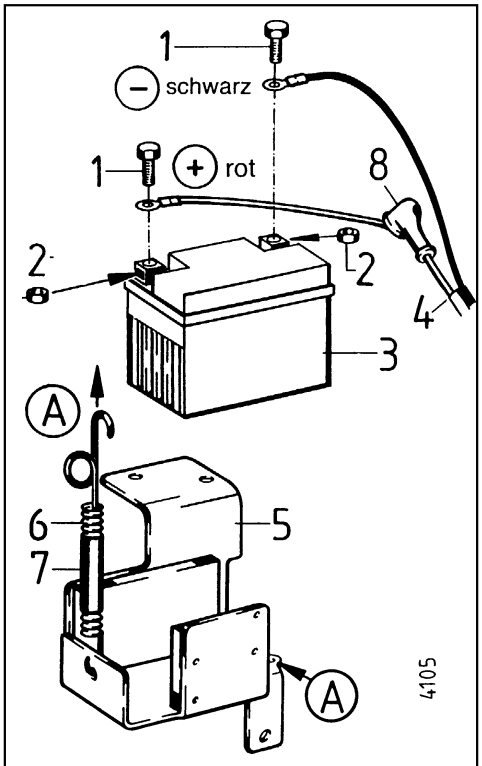
- The battery is packed and must be filled with the battery acid supplied and fully loaded before fitting.

- *After unpacking fill the battery with the battery acid supplied in line with the instructions enclosed with the battery and then close it up. When filling the temperature of the battery and the acid should be at least 10°C .*
- *Place the battery in the battery holder (5) and tighten down using the tensioning spring (6) (place over the battery and insert the hook into the hole "A") and ensure that the protective hose (7) is located in the area of the battery terminals.*
- *Connect the battery cable; first connect the positive terminal (+) to the red cable, then the negative terminal (-) to the black cable - ensure that the terminal screws are firmly tightened.*

- When disassembling first disconnect the positive terminal (+), then the negative terminal (-) .

- Lightly lubricate the battery terminals and terminal screws with acid-free grease.

- Fit the protective connecting cap (8) over the positive terminal.



1 Hexagon nut (terminal screws)
2 Square nut
3 Battery
4 Battery cable
5 Battery holder
6 Tensioning spring
7 Protective hose
8 Connecting cap

The battery operation and its maintenance and care must be made in line with the battery manufacturer's operating instructions on page 33.

Lubricants and Anti-Corrosive Agents:

Use the lubricants specified for engine and gearbox (see "Specifications").

*We recommend using **Bio-lubricating oil** or **Bio-lubricating grease** for "open" lubrication points or nipples (as specified in the operating instructions).*

*We recommend using **Bio-slushing oil** to preserve machines and attachments (do not apply on painted covers). You can brush or spray the oil.*

Anti-corrosive agents are environmentally friendly and degrade fast.

Using ecologically safe Bio-lubricants and Bio-anti-corrosives, you contribute to environmental protection and to the wellbeing of humans, animals and plants.

Fuel:

*This engine runs smoothly on conventional **unleaded regular and supergrade petrol** as well as on **leaded supergrade petrol**.*

Do not add oil to petrol.

If, for environmental reasons, you use unleaded petrol, make sure the fuel is drained completely when shutting down the engine for more than 30 days. This is to prevent resin residue from depositing in the caburetor, fuel filter, and tank. Or add a fuel stabilizer to the fuel.

For further instructions see "Engine Preservation".

Maintenance and Repair:

The trained mechanics of your agria workshop expertly carry out any maintenance and repair work.

You should only carry out major maintenance work and repairs on your own, if you have the proper tools and knowledge of machines and internal combustion engines.

Do not hammer against the flywheel with a hard object or metal tools as it might crack and shatter in operation, causing injuries and damage. Only use suitable tools to pull off the flywheel.

Before starting the engine, read the operating instructions and note:

Warning

This symbol marks all paragraphs in these operating instructions which affect your safety. Pass all safety instructions on to other users and operators.

Due Use

The multi-purpose machine is a hand-controlled automatic single-axle machine which can power and/or pull various implements approved by the manufacturer. Areas of application are for such as turning over the ground, mowing grass and meadowland, snow clearance and sweeping (due use).

Any other type of operation is considered undue. The manufacturer is not liable for any damages resulting from undue use, for which the risk lies with the user alone.

When the multi-purpose machine is used on public roads, the local national road traffic rules must be observed, e.g. reflectors, lights.

The multi-purpose machine is not intended for use with a trailer on public roads or as as a tractor unit without implements.

Due use includes compliance with manufacturer's instructions on operation, maintenance and repair.

Any unauthorized changes to the machine render manufacturer liability null and void.

General Instructions on Safety and Accident Prevention

Basic Rule:

The respective national accident prevention regulations have to be adhered to, as well as all other generally accepted rules governing operational safety, occupational health and road traffic regulations.

When driving on public roads, you have to observe the current traffic code.

Accordingly, check the machine for road and operational safety each time you take up operation.

Only persons familiar with the tractor and instructed on the hazards of operation are allowed to use, maintain and repair the tractor.

Teenagers younger than 16 years are not allowed to operate the machine!

Only work in good light and visibility.

Operator's clothes should fit tight. Avoid wearing loose fitting clothes. Wear solid shoes.

Note the warning and instruction signs on the tractor for safe operation. Comply for your own safety.

When transporting the tractor on vehicles or trailers outside the area to be cultivated, ensure that the engine is turned off.

Careful with rotating tools - keep at a safe distance!

Foreign powered parts shear and crush!

Riding on the attachment during operation is not permitted.

Mounted or trailed attachments affect the tractor's driving, steering, braking, and tipping characteristics. Therefore, ensure that steering and braking functions are sufficient. Match operating speed to conditions.

Do not change settings of governor. High engine speed increases risk of accidents.

Working Area and Dangerous Area

The user is liable to third parties working within the tractor's working range.

Staying in hazardous area is not permitted.

Check the immediate surroundings of the tractor before you start it. Watch out for children and animals.

Before you start work, clear the area from any foreign object. During operation, always watch out for further objects and remove them in time.

For operation in enclosed areas, ensure that a safety distance is kept to enclosures to prevent damage to tools.

Operation and Safety Devices

Before you start the engine

Become familiar with the devices and operating elements and their functions. Above all, learn how to turn the engine off quickly and safely in an emergency.

Ensure that all guards in place.

With no attachment mounted, make sure PTO-shaft is covered with the protective cap.

Starting the engine

Do not start the engine in closed rooms. The carbon monoxide contained in the exhaust fume is extremely toxic when inhaled.

Before you start the engine set all controls to neutral or idling position.

When starting the engine, do not step in front of the machine and the attachment.

Do not use assist-starting liquids when using electrical assist-starting devices (jumper cable). Danger of explosion.

Operation

Never leave the operator's position at the steering handle while tractor is at work.

Never adjust the handles during work - danger!

For any operation do not leave the operator's position as defined by the steering handle, especially not when you turn the machine.

Riding on the attachment during operation or in transport is not permitted.

If blockages occur in the attachment, turn off the engine and clean the attachment with an appropriate tool.

In case of damage to the multi-purpose machine or to the attachment, immediately turn off the engine and have it repaired.

If steering causes problems, immediately bring the machine to a halt and turn it off.

Have the malfunction removed without delay.

To prevent the machine from sliding on

slopes make sure it is secured by another person using a bar or a rope. This person must be located at a higher position than the vehicle at a safe distance from the attachment at work.

If possible, always work horizontally to the slope.

End of Operation

Never leave the multi-purpose machine unattended with the engine running.

Before you leave the machine, turn off the engine. Then close fuel taps.

Secure the machine against unauthorized use. If tractor is equipped with an ignition key, remove the key. For all other versions, remove the spark plug connector to secure the tractor.

Attachments

Only mount attachments with the engine and PTO switched off.

Always use appropriate tools and wear gloves when changing attachments and parts thereof.

To fit and remove attachments, bring the support leg into proper position and ensure stability.

Secure the machine and attachments against rolling off (parking brake, wheel chocks).

Beware of injuries while coupling attachments.

Couple the attachments as specified and only couple at specified points.

Secure the machine and attachment against unauthorized use and rolling off when you leave the machine. If necessary, install transport or safety devices to provide protection.

Hoeing Attachment

Adjust the guards in such a way that only the sets of blades penetrating the soil are not covered.

When hoeing, make sure the depth bar is adjusted properly.

Mowing Attachment

Handle with care! Sharp blades of the cutter bar may cause injuries when handled improperly! Remove protective knife strips only for mowing and refit immediately after work has finished.

For transport and storage always fit the protective knife strips. Secure finger bars additionally with tension springs.

Do not transport the removed cutter bar without protective strips.

When fitting/removing the cutter bar, make sure all blades are protected by the knife strip.

To exchange the knife and to fit/remove the knife driver, make sure that you turn screws and bolts away from the cutting blades to remove them.

To grind the mowing knives, always wear safety goggles and gloves.

Weights

Always fit weights properly and at specified points.

Maintenance

1

Never carry out any maintenance or cleaning while the engine is running.

Before you work on the engine, always remove spark plug connector (petrol engine only).

Check regularly and, if necessary, replace all guards and tools subject to wear and tear.

Replace damaged cutting tools.

Always wear safety gloves and use proper tools when exchanging cutting tools.

Do not carry out repairs like welding, grinding, drilling, etc. on structural and safety-relevant parts (e.g. coupling devices)!

Keep the machine and the attachment clean to avoid risk of fire.

Check nuts and bolts regularly for tight fit and re-tighten, if necessary.

Ensure that you re-install all safety and guards and adjust them properly after maintenance and cleaning.

Only use original agria spare parts. All other conventional spare parts must correspond to quality and technical requirements specified by agria.

Storage

It is not allowed to store the machine in rooms with open heating.

Never park the machine in closed rooms with fuel left in tank. Fuel vapours are hazardous.

Engine, Fuel, and Oil

Never let the engine run in closed rooms. Extreme danger of intoxication! For the same reason, also replace damaged exhaust pipes immediately.

Be careful when dealing with fuel. Great danger of fire! Never refill fuel close to open fire, inflammable sparks or hot engine parts. Do not refill fuel in closed rooms. Do not smoke when refilling!

Refill only with the engine switched off and cooled down.

Do not spill any fuel, use a proper filling device.

In case of fuel-spillage, pull the machine away from the spillage before you start the engine.

Make sure fuel is of specified quality.

Store fuel in approved cans only.

Store anti-corrosive agents and stabilizing liquids out of reach of children. If sickness and vomiting occur, see a doctor. If fuel has contacted eyes, rinse them thoroughly, avoid inhaling of vapours.

Read and observe enclosed instructions.

Before you dispose of opened and seemingly empty pressurised tins (e.g. of assist-starting liquids) make sure they are completely empty. Empty them in ventilated places safe from spark formation or flames. If necessary, dispose of tins in hazardous waste deposits.

Be careful when draining hot oil, danger of burns.

Make sure oil used is of specified quality. Storage is in approved cans only.

Dispose of oil, greases, and filters seperately and properly.

Tyres and Tyre Pressure

When working on the tyres, make sure the machine is parked properly and secured against rolling off.

Any repairs are to be carried out by trained mechanics only and with the appropriate tools.

Regularly check air pressure in the tyres. Excessive pressure may cause bursts.

When adding weight, make sure the tyre pressure is correct.

Re-tighten bolts of drive-wheels or check tightness when doing maintenance work.

Electrical System and Battery

When working on the electrical system, make sure the battery is disconnected (negative terminal) (for tractors equipped with battery).

Make sure to connect the battery properly - first connect the positive terminal and then negative terminal. Disconnect in reverse order.

Be careful with battery gases- explosive!

Avoid spark discharge and open flames near batteries.

Remove plastic cover (if equipped) to recharge battery and to prevent highly explosive gases from building up.

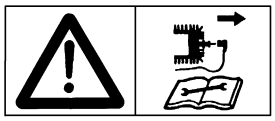
Careful when handling battery acid!

Only use specified circuit breakers. If the circuit breakers are to strong, they will destroy the electrical system - danger of fire.

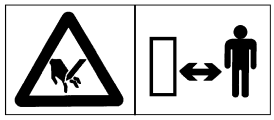
Always cover positive terminal with the specified cover or terminal cap.

Persons having a pacemaker may not touch live parts of the ignition system when the engine is running.

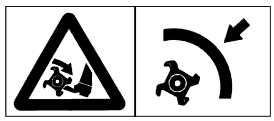
Explanation of Warning Signs



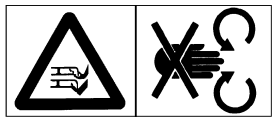
Before any cleaning, maintenance, and repair work switch off the engine and pull spark plug connector.



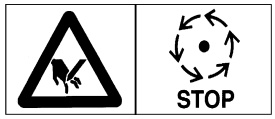
With the engine running, keep at a safe distance from cutting or sets of blades.



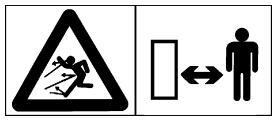
Do not work without guards in place. Before starting the engine, bring guards in proper position.



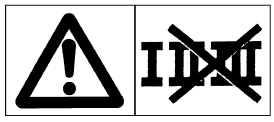
With the engine running, keep at a safe distance from knife.



Do not touch moving machinery parts. Wait until they have come to a complete stop.



With the engine running, keep at a safe distance.



Only drive the attachment at speed "I".

Signs

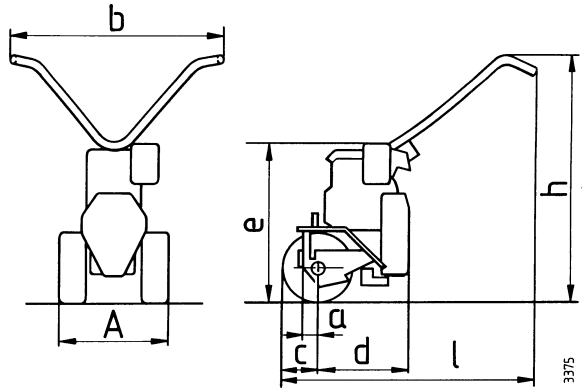
When working with the machine, wear individual protective ear plugs.

Wear protective gloves.

Wear solid shoes.

Multi-purpose machine 400E

Dimensions:



a ..... 100 mm
b ..... 630 mm
c ..... 160 mm
d ..... 380 mm
e ..... 700 mm
h ..... 860–1080 mm
l ..... 1200 mm
A ..... (13x5.00 - 6) 525 mm
A ..... (3.50 - 6) 440 mm
A (Twin tyres 3.50 - 6) ..... 857 mm
A ..... (4.00 - 8) 640 mm
A Sets of hoe blades . 450–650 mm

Tyres: *(Accessory) .....*
..... 13x5.00-6 (Grassland tyre)
..... 3.50 - 6 und 4.00 - 8 (Field tyre)

Tyre pressure: *..... 1.0 bar*

Clutch*: ..... V-belt clutch with idler pulleys between engine and gearbox Friction clutch for reverse speed*

Only use original agria V-belts!
(List of wear parts p59)

Gearbox*: ..... Worm gear with overrunning clutch on drive-wheels Transmission oil SAE 90-API GL5 Filling quantity approx. 0.5 l*

Speeds: *..... 2 forward speeds (moving V-belt to another pulley) 1 reverse speed (friction wheel) see table below*

Steering handle: *... vibration damping, height-adjustable, side-adjustable without tools*

Weight*: ..... Approx. 44 kg*

Noise level:

In accordance with DIN EN 709 and DIN EN 1553

Emission noise level ..... 83 dBA (at operator's ear)

Vibration acceleration value:

on handlebar: ..... $a_{hw} < 2.5\ m/s^2$

in accordance with DIN EN 709 and DIN EN 1033 at 85% of rated engine speed with tool at work.

Speed	Revolutions [rpm]			Ground speed [km/h]		
		Wheel shaft	Pto	Tyres		
	i_{tot}	n_{dw}	n_{pto}	13x5.00-6	3.50-6	4.00-8
I	67.5	55	1650	3.2	3.6	4.4
II	42.7	110	3310	6.7	7.3	8.9
R	61.7	58	1740	3.4	3.8	4.7

Engine *(pay attention to model type)*

***Manufacturer**: ..... Briggs & Stratton*
..... 5 HP

***Type**: ..... 135 202 -0271*

***Version:** ..... Fan-air-cooled 1-cylinder-4-stroke engine (petrol)*

***Cubic capacity:** ..... 205 ccm*

***Output:** ..... 3.2 kW at 3600 rpm*

***Torque max.** ..... 10.0 Nm at 3000 rpm*

***Spark plug:** ..... Champion RJ 19 LM*
Spark plug gap 0.75 mm

***Ignition system:** ..... Contactless electronic magnet ignition, ignition point is pre-set, radio remote screened according to VDE 0879*

***Valve lash** (engine cold)*

Intake: ..... 0.13–0.18 mm

Outlet: ..... 0.23–0.28 mm

***Starter**: ..... Recoil starter*

***Fuel tank capacity:** ..... 3 l*

***Fuel**: ..... Conventional petrol octane number min. 85 RON see fuel recommendations*

***Air filter:** ..... Dry filter element with foamed preliminary filter*

***Carburetor:** ..... Updraft*

***Needle valve screw:** .. in basic setting 1 1/2 turns open*

***Rated speed:** ..... 3600 rpm*

***Top no-load speed:** ..... 3800 rpm*

***Idling speed:** ..... 1750 rpm*

Engine oil:

Filling quantity ..... approx. 0.6 l
Multi-grade oil SAE 10 W-40 API-SC, SF or higher

***Manufacturer:** ..... Briggs & Stratton*
..... Power Built 190

***Type:** 110 412-0173*

***Version:** ..... Fan-air-cooled 1-cylinder-4-stroke engine (petrol)*

***Cubic capacity:** ..... 190 ccm*

***Output:** ..... 4.0 kW at 3600 rpm*

Torque max.
..... 11.2 Nm at 2600 rpm

***Spark plug::** ..... Champion QC12YC*
Spark plug gap: 0.75 mm

***Ignition system:** ..... Contactless electronic magnet ignition, ignition point is pre-set, radio remote screened according to VDE 0879*

***Starter**: ..... Recoil starter*

***Fuel tank capacity:** ..... 2.8 l*

***Fuel**: ..... Conventional petrol octane number min. 85 RON see fuel recommendations*

***Air filter:** ..... Dry filter element*

***Top no-load speed:** ..... 3800 rpm*

***Idling speed:** ..... 1750 rpm*

Engine oil:

Filling quantity ..... approx. 0.6 l
Multi-grade oil SAE 10 W-40 API-SC, SF or higher

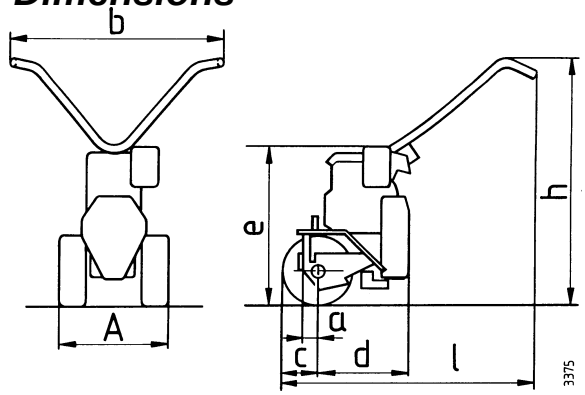
Operability on Slopes:

As long as the operator is able to walk and drive the power mower on slopes without problems, the engine performance is satisfactory (engine oil level at "max" = upper filling mark).

2

Multi-purpose machine 400K

Dimensions



a		100 mm
b		630 mm
c		160 mm
d		380 mm
e		700 mm
h		860–1080 mm
l		1200 mm
A	(13x5.00 - 6)	525 mm
A	(3.50 - 6)	440 mm
A	(Twin tyres 3.50 - 6)	857 mm
A	(4.00 - 8)	640 mm
A	Sets of hoe blades	450–650 mm

Tyres: (Accessory) .....
..... 13x5.00-6 (Grassland tyre)
..... 3.50 - 6 und 4.00 - 8 (Field tyre)

Tyre pressure: ..... 1.0 bar

Clutch: ..... V-belt clutch
with idler pulleys
between engine and gearbox
Friction clutch for reverse speed

Only use original agria V-belts!
(List of wear parts p59)

Gearbox: ..... Worm gear with
overrunning clutch on drive-wheels
Transmission oil SAE 90-API GL5
Filling quantity approx. 0.5 l

Speeds: ..... 3 forward speeds
(moving V-belt to another pulley)
1 reverse speed (friction wheel)
see table below

Steering handle: ... vibration damping,
height-adjustable,
side-adjustable without tools

Weight: ..... Approx. 50 kg

Noise level:

In accordance with DIN EN 709 and DIN EN 1553

Emission noise level ..... 83 dBA (at operator's ear)

Vibration acceleration value:

on handlebar: ..... $a_{hwy} < 2.5\ m/s^2$

in accordance with DIN EN 709 and DIN EN 1033 at 85% of rated engine speed with tool at work.

Speed	Revolutions [rpm]			Ground speed [km/h] Tyres		
		Wheel shaft	Pto			
	i_{tot}	n_{dw}	n_{pto}	13x5.00-6	3.50-6	4.00-8
I	67.5	55	1650	3.2	3.6	4.4
II	42.7	85	2550	5.0	5.6	6.9
III	28.1	125	3750	7.3	8.3	10.1
R	61.7	58	1740	3.4	3.8	4.7

Engine

***Manufacturer**: ..... Briggs & Stratton*

***Type**: ..... 133 237 -0136*

***Version:** ..... Fan-air-cooled 1-cylinder-4-stroke engine (petrol)*

***Bore:** ..... 65 mm*
***Stroke:** ..... 62 mm*
***Cubic capacity:** ..... 205 ccm*

***Output:** ..... 3.2 kW at 3600 rpm*
***Torque max.** ..... 10.0 Nm at 3000 rpm*

***Spark plug:** ..... Champion RJ 19 LM*
Spark plug gap 0.75 mm

***Ignition system:** ..... Contactless electronic magnet ignition, ignition point is pre-set, radio remote screened according to VDE 0879*

***Valve lash** (engine cold)*
Intake: ..... 0.13–0.18 mm
Outlet: ..... 0.23–0.28 mm

***Starter**: ..... Electric starter 12 V*
Recoil starter (manual starter)

***Fuel tank capacity:** ..... approx. 3 l*

***Fuel**: ..... Conventional petrol octane number min. 85 RON see fuel recommendations*

***Air filter:** ..... Dry filter element with foamed preliminary filter*

***Carburetor:** ..... Updraft*
***Needle valve screw:** .. in basic setting 1 1/2 turns open*

***Rated speed:** ..... 3600 rpm*
***Top no-load speed:** ..... 3800 rpm*
***Idling speed:** ..... 1750 rpm*

***Generator:** ..... 12 V / 1.2 A*
***Battery: .....** Starter battery 12V 6Ah*

Engine oil:
Filling quantity ..... approx. 0.6 l
Multi-grade oil SAE 10 W-40 API-SC, SF or higher

Operability on Slopes:
As long as the operator is able to walk and drive the power mower on slopes without problems, the engine performance is satisfactory (engine oil level at "max" = upper filling mark).

The agria multi-purpose machine type 400 is a basic power machine and is always operated with an attachment mounted. Therefore, the machine is suited for agricultural and forestal operations, horticulture and park maintenance as well as for ground clearing and winter service.

Available attachments are:

- *hoeing and tilling*
- *mowing*
- *turf and grounds care*
- *ploughing*
- *sweeping*
- *gravel and salt spreading*
- *snow dozing and rotory snow cleaning*
- *transporting*

Engine

The four-stroke petrol engine runs on conventional petrol (refer to fuel recommendations p4). During the first 20 operating hours (break-in period) do not use engine to maximum power. ***Even after the break-in period*** *never use engine at higher speed than necessary for the work in hand.*

ⓘ ***High engine speed is harmful to any engine and considerably affects its durability. This applies especially for no load operation. Any overspeed (have the engine roar) can result in immediate damage.***

Cooling System

Cooling system is fan-cooled. Therefore keep screen at recoil starter and cooling fins of the cylinder clean and free from sucked-in plant trash.

Idling-speed

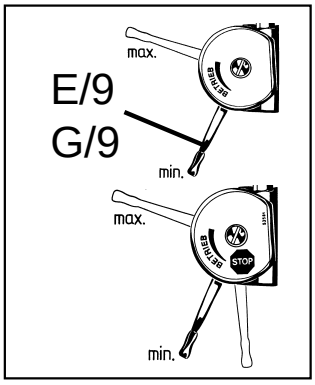
Always ensure that idling-speed is adjusted correctly. At low speeds and with the speed control lever set to idle, the engine is supposed to run smoothly and without run-out.

Air Filter

The air filter purifies the air intake. A blocked filter reduces engine output.

Ignition System

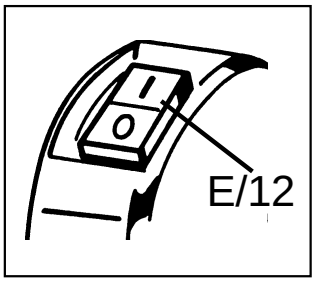
The engine is equipped with a contactless ignition system. We recommend to have necessary check-ups done by an expert only.



Speed Control Lever

The speed control lever (E/6 or G/9) on the steering handle is for stepless control of engine speed from min = IDLING to max = FULL THROTTLE to fit requirements.

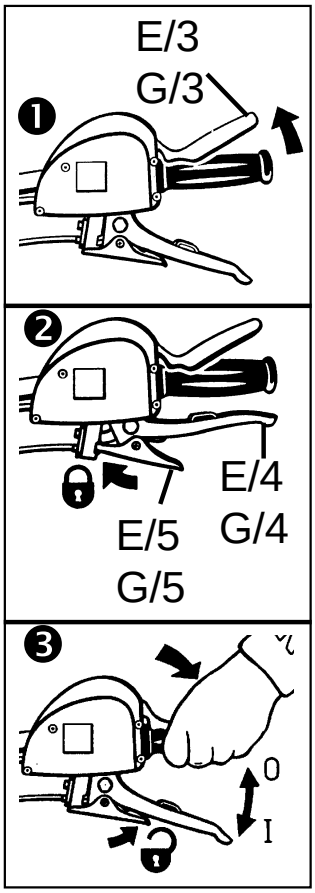
With version engine 5 HP the speed control lever serves to adjust the engine speed at infinitely variable steps and to stop the engine.



Engine Shut-off Switch

The model with a Power Built engine is fitted with an electrical motor off switch (E/12) which switches off the ignition system when the switch is operated (engine is cut out).
Position "I" = Operating
Position “0” = Engine off

ⓘ *The engine shut-off switch serves as **emengency-off-switch**. In a situation which requires a fast stop, move the lever to position “STOP”*



Safety Circuit

The multi-purpose machine is equipped with a safety switch.

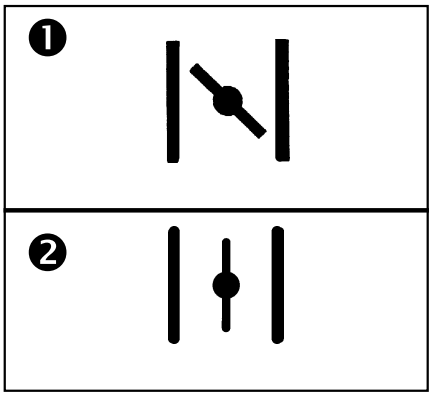
❶ ***Stop position:** When releasing the lever (E/3 or G/3) the ignition system is switched off (engine is cut out). Beware – engine keeps running due to centrifugal mass.*

❷ ***Start position:** For starting the engine and for short breaks, pull the hand clutch lever (E/4 or G/4) and lock with pawl (E/5 or G/5).*

❸ ***Operating position:** To operate the machine, press down the safety lever (E/3 or G/3).*

⚠ ***Do not fasten the safety lever.***

ⓘ *The safety lever also serves **to switch off in an emergency**. Release the safety lever for fast engine switch-off. The lever automatically goes to STOP position.*

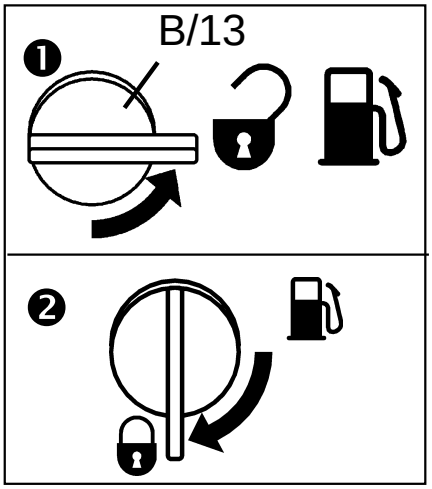


Choke

The choke lever (B/5, D/5) is on the carburetor.

❶ *Close the choke for cold starts.*

❷ *Open the choke for warm starts (operation).*

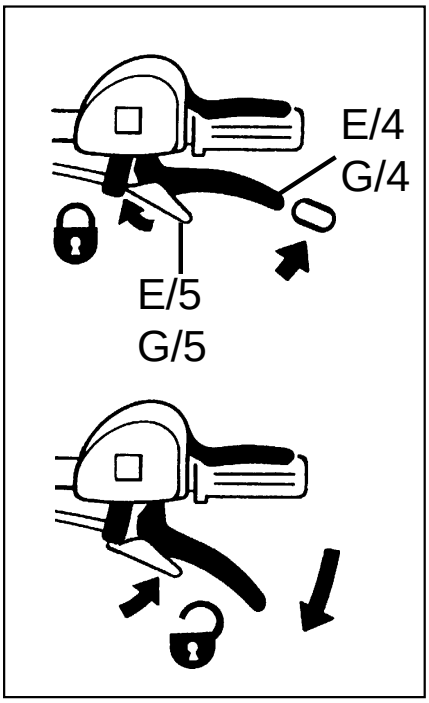


Fuel tap

Only version Power Built engine:
The fuel tap (B/13) is on the carburetor.

❶ *Fuel tap - OPEN*

❷ *Fuel tap - CLOSED*



Clutch

The machine is equipped with a V-belt clutch with integrated reverse shift.

Operation is via the hand clutch lever (E/4 or G/4).

The machine is decoupled when the hand clutch lever is pulled until the pawl locks into place. Now, the engine stops driving the machine.

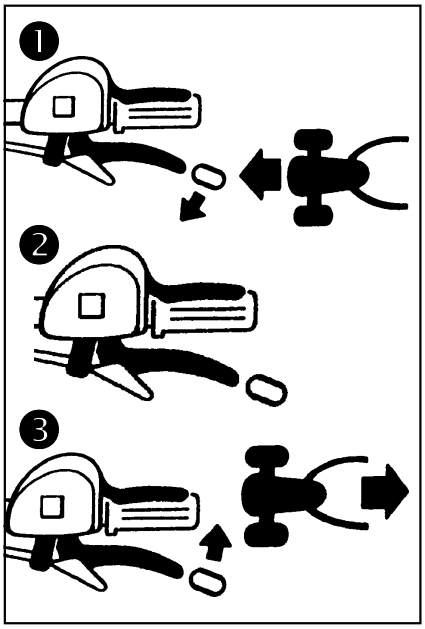
The decoupled hand clutch lever can be locked with the pawl (E/5 or G/5).

To avoid clutch slipping away during operation, a clutch play is factory-set at the hand lever (refer to “Maintenance”).

After the first operating hour, the clutch play has to be checked and, if necessary, re-adjusted (refer to “Maintenance”).

Travelling Drive/ Forward – Reverse

The multi-purpose machine is equipped with a clutch-integrated FR-gearshift, which is operated with the hand clutch lever (E/4 or G/4).



❶ ***Travelling drive forward speed:***

Move hand clutch lever down (E/4 or G/4) – the pawl is unlocked.

❷ ***Travelling drive idling speed:***

Hand clutch lever (E/4 or G/4) is pulled approx. half way – the pawl is locked.

❸ *Travelling drive reverse speed:*

Pull hand clutch lever (E/4 or G/4) all the way up.

Pawl (E/5 or G/5) is for locking the hand clutch lever in idling position ("0").

On slopes, always turn machine towards the slope.

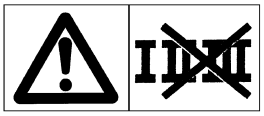
ⓘ ***Note**: Always park machine with hand clutch lever pulled ("0" – pawl locked), otherwise clutch problem may arise due to deformation of V-belt.*

Speeds

To change speeds you move the V-belt to another idler pulley (F/12 or H/12)- see fold-out page 62 or 66.

⚠ ***Before you move the V-belt, stop the engine and remove the spark plug connector!***

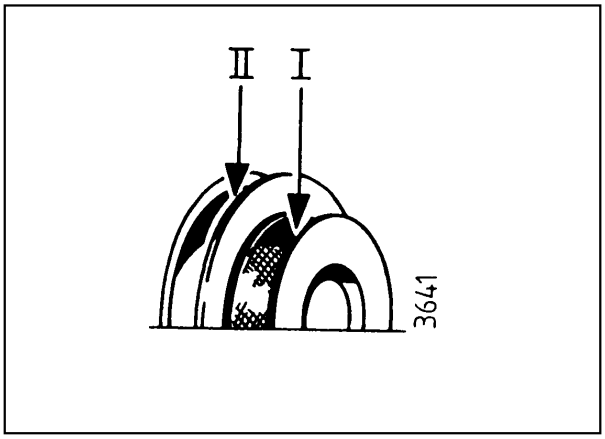
- *Remove nut (F/10 or H/10) to remove the belt guard (F/8 or H/8) and the belt guide plate (F/7 or H/7).*
- *Lock the hand clutch lever (E/4 or H/4) in neutral position. This ensures that the idler pulley (F/1 or H/1) does not to press against theV-belt.*
- *Move the V-belt (F/12 or H/12) to the desired pulley (only use your hands, do not use pointed or sharp tools. Otherwise the V-belt will be damaged).*
- *Replace V-belt guide plate (F/7 or H/7). Push the guard (F/5 or H/5) onto pins (F/4 or H/4) and close.*
- *Fit nut (F/10 or H/10) with spring washer (F/9 or H/9) and tighten.*



Only drive pto-driven attachments at speed "I".

Type 400E

Figure: V-belt is in “speed I” position.

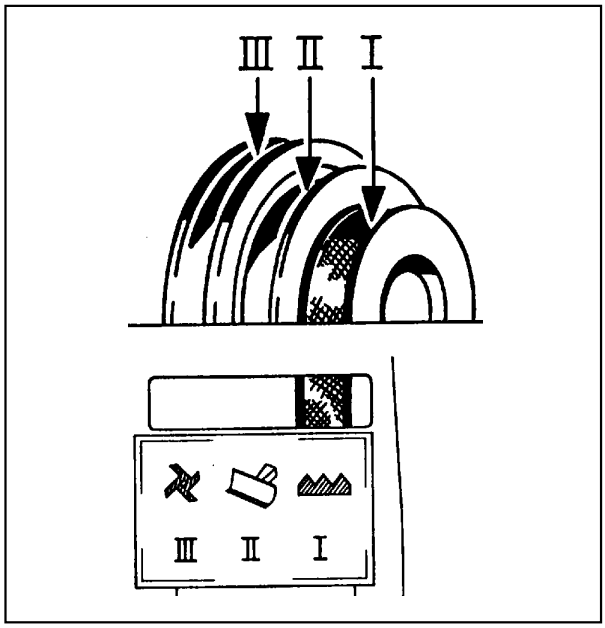


Recommended speeds Type 400E

I *: Pto-driven attachments*	*rotary snow cleaner, mowing, sweeping, spreading, shredding, spraying, ploughing*
II *: Grounds care not pto-driven*	*snow dozing, transport work*

Type 400K

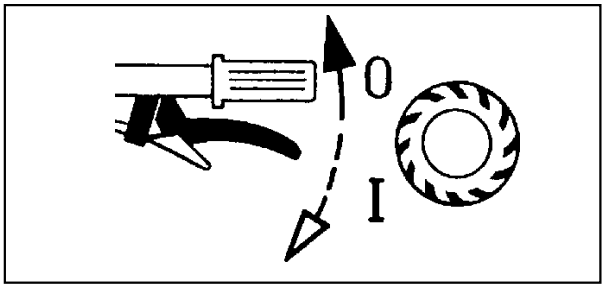
Figure: V-belt is in “speed I” position.



On the V-belt guard to the left there is a small window to monitor the current speed, i.e. on which pulley the belt is currently running.

Recommended speeds Type 400K

I *: Pto-driven attachments*	*rotary snow cleaner, mowing, sweeping, spreading, shredding, spraying, ploughing*
II *: Grounds care not pto-driven*	*snow dozing, transport work*
III: *Rotary cultivation*	*hoeing, ridging*



Wheel drive

The multi-purpose machine is equipped with drive-wheel engagement and additionally with a wheel drive. This can be engaged/disengaged via a selector sleeve and from the handlebar.

Wheel drive engaged:

Move wheel drive lever (E/11 or G/11) down to unlock the pawl.

Wheel drive disengaged:

Move wheel drive lever (E/!! or G/11) up to lock the pawl.

With the engine running, the wheel drive is engaged the following way:

- *Pull the hand clutch lever (E/4 or G/4) to middle position (neutral) and hold.*
- *Unlock pawl (E/10 or G/10).*
- *Move hand lever for wheel drive (E/11 or G/11) down.*
- *Slowly release the hand clutch lever (E/4 or G/4) while pressing the throttle.*

In case wheel drive cannot be engaged, couple and decouple. Then engage wheel drive.

Drive-Wheels

⚠ ***Only mount and dismount drive-wheels with engine turned off.***

The drive-wheels are equipped with a detent spring (1) and can be mounted and adjusted without tools.

The detent spring engages into a ring groove on the wheel-shaft to hold the drive-wheel.

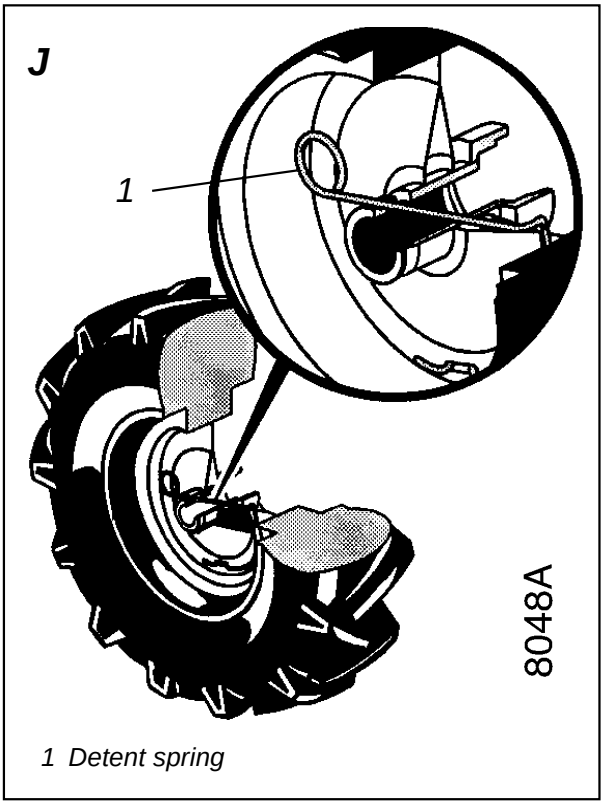
On both sides of the wheel-shaft there are 2 ring grooves respectively. With detent spring engaging into outer ring groove, the drive-wheel turns in neutral on wheel-shaft. With detent spring engaging into inner ring groove, the drive-wheel engages with a toothed wheel on the wheel-shaft to be driven by the same.

Mounting drive-wheels

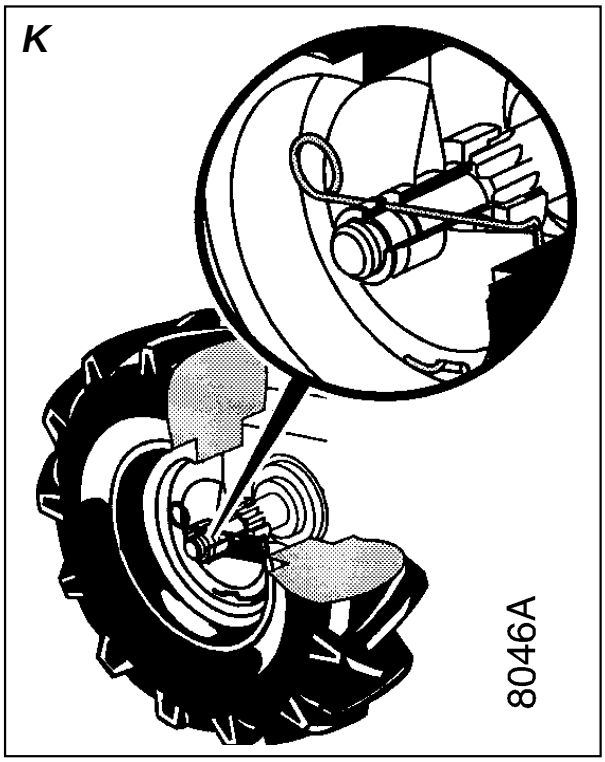
ⓘ *For full tractive power, mount field tyres with the tread profile pointing in travel direction (seen from above).*

- *Lift detent spring (1) slightly and place into assembly position (fig. J) (front ring groove on hub).*
- *Mount drive-wheels onto wheel-shaft, with the side for the detent spring pointing outwards.*
- *Let detent spring engage in a ring groove again (fig. K and L).*
- *Brush Bio-lubricating grease onto both ends of wheel-shaft (small diameter of wheel-shaft).*

For dismounting drive-wheels, proceed accordingly but in reverse order.

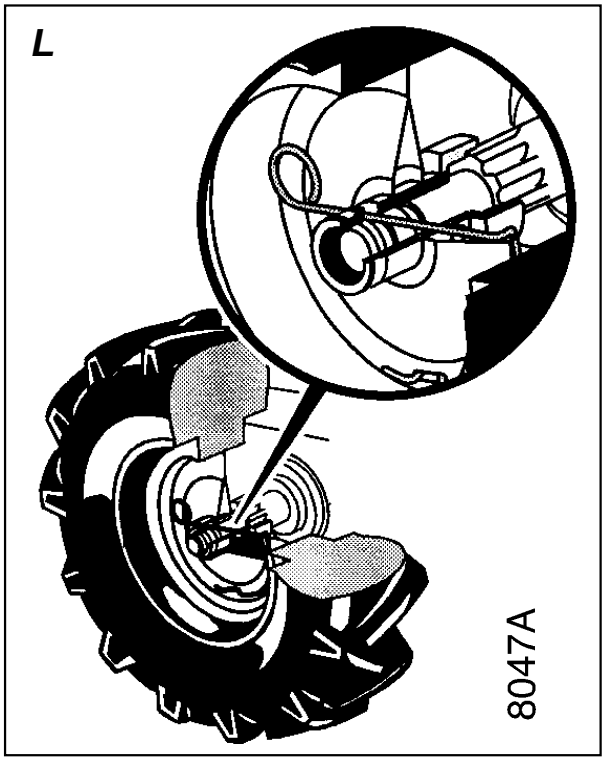


1 Detent spring



Engagements of Drive-Wheels

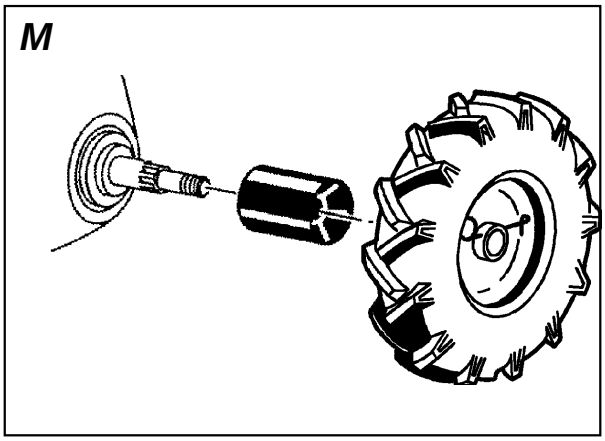
- ***Rigid drive:*** *Push both drive-wheels inwards to a stop, engage detent springs into inner ring grooves (fig. K). If detent springs do not engage, turn drive-wheels slightly and push them axially inwards until you feel toothed clutch wheel engage.*



- ***Neutral:*** *Push both drive-wheels outwards and lock detent springs into outer ring groove (fig. L).*

- ***Drive with differential effect:*** *Engage one drive-wheel into inner ring groove (fig. K), engage the second drive-wheel into outer ring groove (fig. L) – neutral.*

M



Anti-Wind-On Pipes

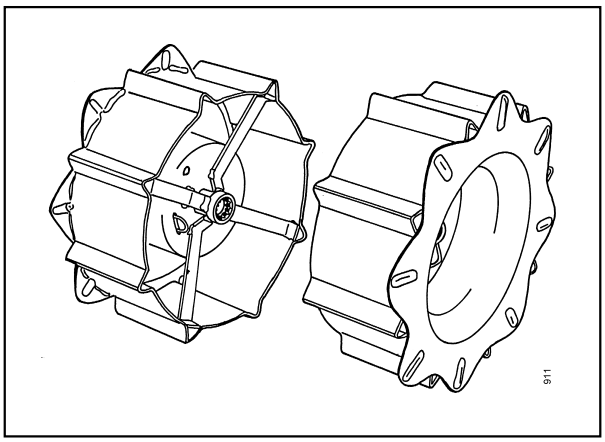
To the mowing attachment anti-wind-on pipes are delivered. Mount them on both sides of the wheel-shaft between transmission housing and drive-wheel (fig. M).

Generally, these pipes prevent grass from winding onto shaft. Remove wound-on grass by simply dismounting drive-wheels and anti-wind-on pipes without tools.

Twin-Wheels

- *Dismount single drive-wheels.*
- *Mount twin-wheels onto wheel-shaft (as described in "Mounting Drive-Wheels").*
- *Fit special anti-wind-on pipes onto wheel-shaft of twin-wheels – ensure that valves fit into recesses.*
- *Mount single drive-wheels onto full dog points of twin drive-wheels.*

Cage Drive-Wheels



- *Dismount drive-wheels.*
- *Mount cage drive-wheels onto wheel-shaft (as described in "Mounting Drive-Wheels").*

ⓘ *Rigid drive, neutral, drive with differential effect can also be engaged with twin and cage drive-wheels mounted.*

Drive-wheels with 4.00-8 field tyres

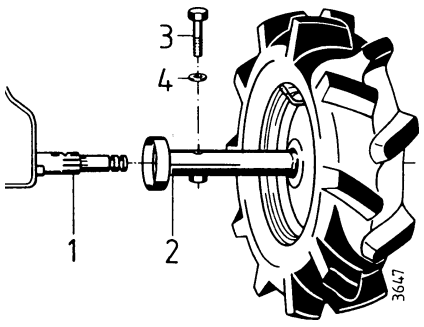
for ploughing and mowing

Fit the drive-wheels

- *Push the hub pipe (2) of the drive-wheel onto the wheel shaft (1).*

Fit the drive-wheel with the pointed parts of lugs showing in travel direction (seen from above).

- *Insert the hex bolts (3) together with the star washers (4) into the borings of the hub pipe and wheel shaft and tighten at a torque of 80 Nm.*



1 Wheel shaft
2 Hub pipe of the drive-wheel
3 Hex bolt
4 Star washer

Remove the drive-wheels

To remove the drive-wheels reverse the above process.

Drive-wheels 4.00-8 Field tyre with differential hubs

The differential hubs are to facilitate steering and turning and are used for ploughing and mowing

Fit the differential hubs

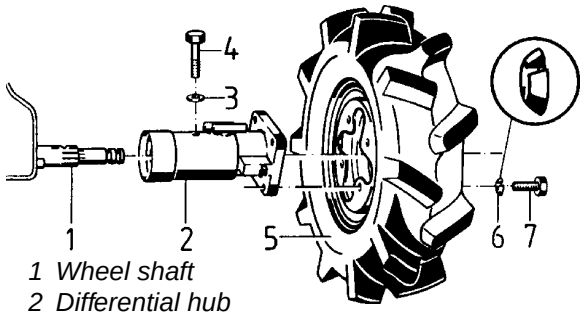
Push the differential hubs (2) on the wheel shaft.

- *Insert the hex bolts (4) together with the star washers (3) into the borings of the hub pipe and wheel shaft and tighten at a torque of 80 Nm.*

- *Use wheel bolts (7) and ball spring washers (6) to fit the drive-wheels to the differential hubs (torque of wheel bolts is 80 Nm).*

Fit the drive-wheel with the pointed parts of lugs showing in travel direction (seen from above).

Remove the drive-wheels



1 Wheel shaft
2 Differential hub
3 Star washer
4 Hex bolt
5 Wheel drive
6 Ball spring washer
7 Wheel bolt

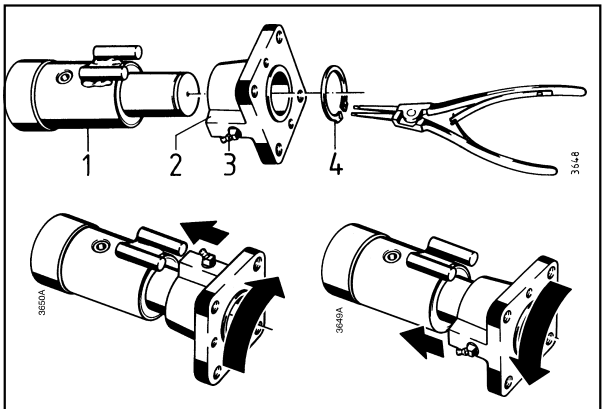
To remove the drive-wheels reverse the above process.

Differential Hubs

The differential effect of hubs is factory-set.

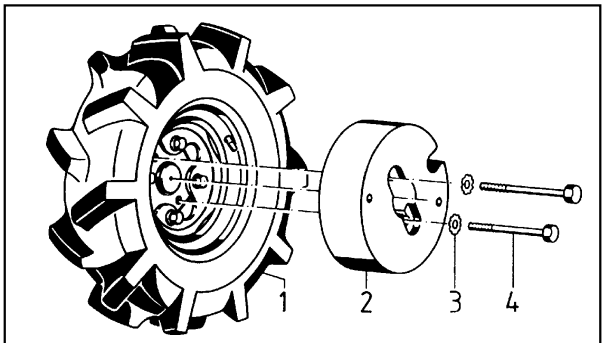
However, you can also fit them rigidly. For this purpose, proceed as follows.

- *Remove locking collar (4) with a pair of pliers.*
- *Slightly pull the wheel flange (2)outwards. Twist it until the cam is between both pins.*
- *Then push the wheel flange all the way onto the differential hub and fit the locking collar.*
- *Use a grease gun to lubricate wheel flange nipple (3) (with Bio-grease) after every **50** operating hours or after pressure cleaning.*



Rigid position *Differential position*

1 Differential hub
2 Wheel flange
3 Flange nipple
4 Locking collar (snap ring)



1 Drive-wheel
2 Wheel weight
3 Washer
4 Hex bolt

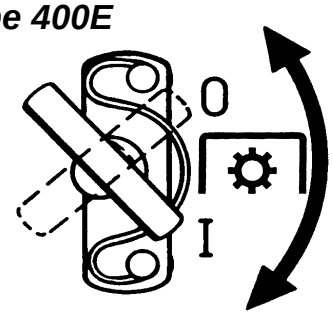
Wheel weights

Drive-wheels 4.00-8 with differential hubs can be fitted with wheel weights (Item no. 0421 011).

Fitting wheel weights

To fit wheel weights (2) onto the wheel flange, use hex bolts(4) and star washers. (Torque 80 Nm)

Type 400E



Pto drive

Type 400E

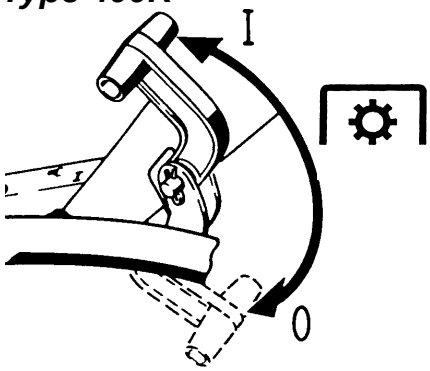
Switching on the pto:

Move the pto lever (A/1) clockwise until it locks.

Switching off the pto:

Move the pto lever anti-clockwise until it locks.

Type 400K



Type 400K

Switching on the pto:

Move the pto lever (E/6) to the rear and up to a stop.

Switching off the pto:

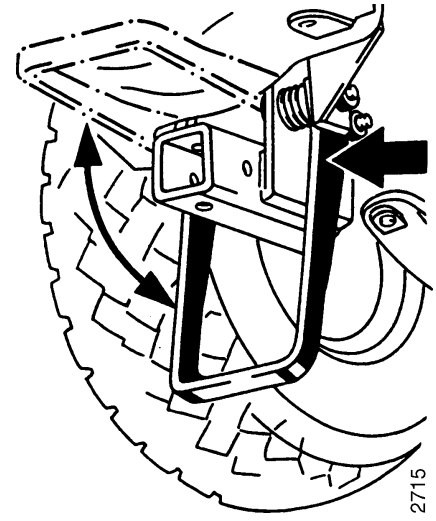
Move the pto lever to the front and down.

If it is not possible to move the pto lever (selector sleeve can-not lock into drive shaft pin), then shortly lift the hand clutch lever (E/4 or G/4) all the way to reverse while moving the pto lever. To do this, the engine has to be in neutral (not full throttle).

3

Stand on Type 400K

Stand



The 400K model is equipped with a stand on the basic machine, which allows the machine to be parked more easily after the attachment has been decoupled.

To do this, push on the stand from the right side and push it down. Take the force off and move the stand further down until it locks.

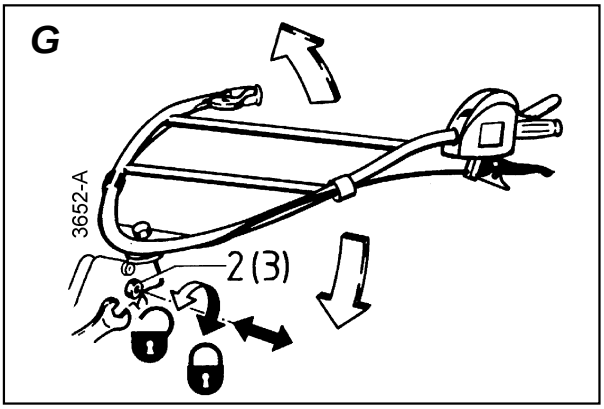
To fold the stand up, reverse the above process.

***Note:** Before you take up operation, fold up the stand.*

Steering Handle Type 400E

Steering handle height adjustment

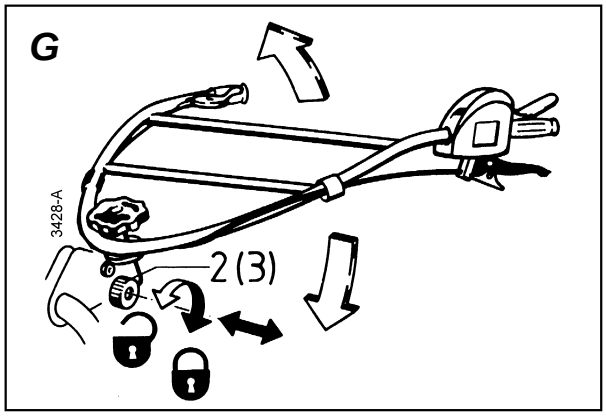
- *Remove hex bolt (2) from square clamping piece (3) and remove it from the steering bar joint.*
- *Adjust the steering handle to the desired height and fit it into the proper boring of the steering bar joint.*
- *Insert the hex bolt and bolt it down to the square clamping piece (3). (Ensure that the nose of clamping piece (3) locks into the long hole in steering bar joint).*



Steering Handle Type 400K

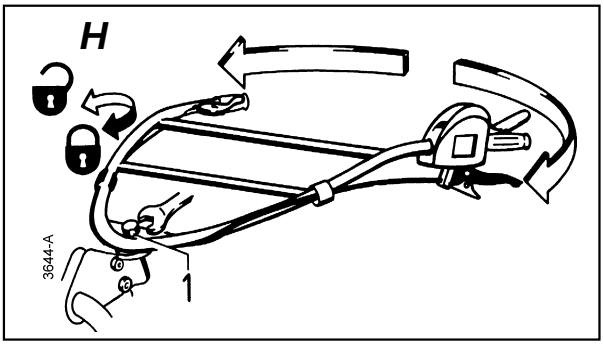
Steering handle height adjustment

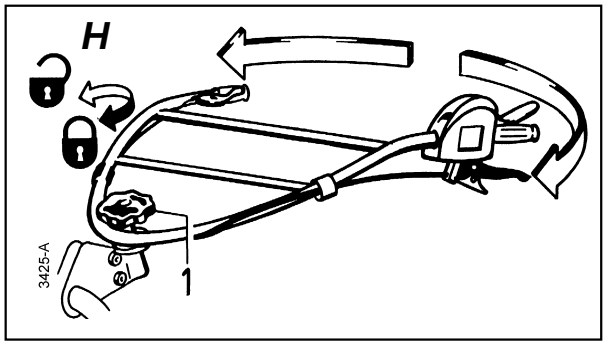
- *Remove the grip screw (2) from the square clamping piece (3) and remove it from the steering bar joint.*
- *Adjust the steering handle to the desired height and fit it into proper boring of the steering bar joint.*
- *Insert the grip screw and bolt it down to the clamping piece (3). (Ensure that nose of clamping piece (3) locks into the long hole the steering bar joint).*



Steering handle side adjustment

- *Loosen hex bolt (1) or grip screw (1) until all notches are free.*
- *Swivel the steering handle to the desired position and fit into proper notch.*
- *Re-tighten hex bolt or grip screw.*





Battery Type 400K

A standard battery charger with 12V DC and a maximum charge of 0.6 A should be used for the 12V 6Ah battery (motorcycle battery).

- *The battery is packed and must be filled with the battery acid supplied and fully loaded before fitting.*

- ***Never leave battery in uncharged state! Note manufacturer's instructions. Avoid sparking and open flames near batteries - threat of an explosion!***

Careful when handling battery acid – etching!

Only use specified fuses. If fuses are too strong, the electric system will be destroyed – danger of fire!

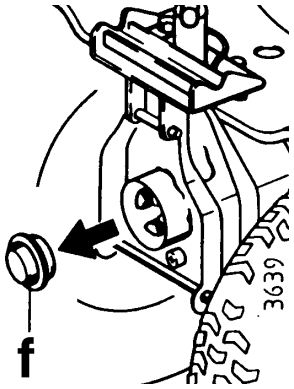
Avoid short circuits.

Power is used from the battery when starting by using the electrical start equipment. This causes it to discharge. The generator partially re-charges it during operation.

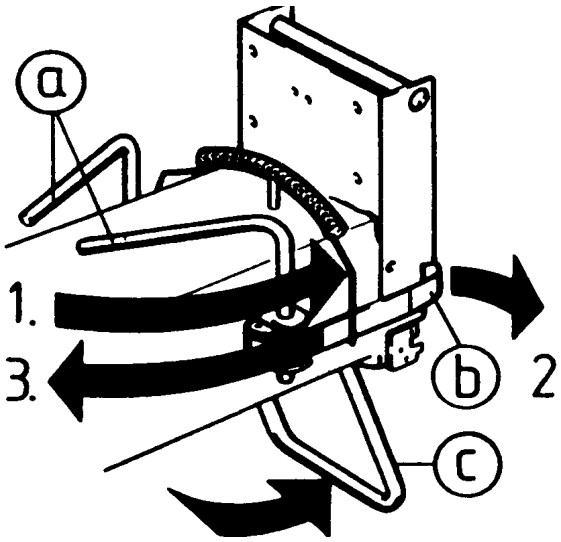
ⓘ ***The battery manufacturer's operating instructions are the standard for the operation of the battery and its care and maintenance.***

Avoid short circuits.

ⓘ ***The battery contains poisonous substances and heavy metals and constitutes hazardous waste.***



a Tensioning lever
b Tensioning band
c Stand
d Linkage
e Linkage pin
f Cap



Attachments

Only couple and decouple attachments when the engine is stopped. Secure attachments against rolling off. Watch out for crushing spots when coupling the attachment.

Front attachments

Most front attachments are attached to the basic machine by two tensioning devices. Before you couple and decouple the attachment park the machine on level ground.

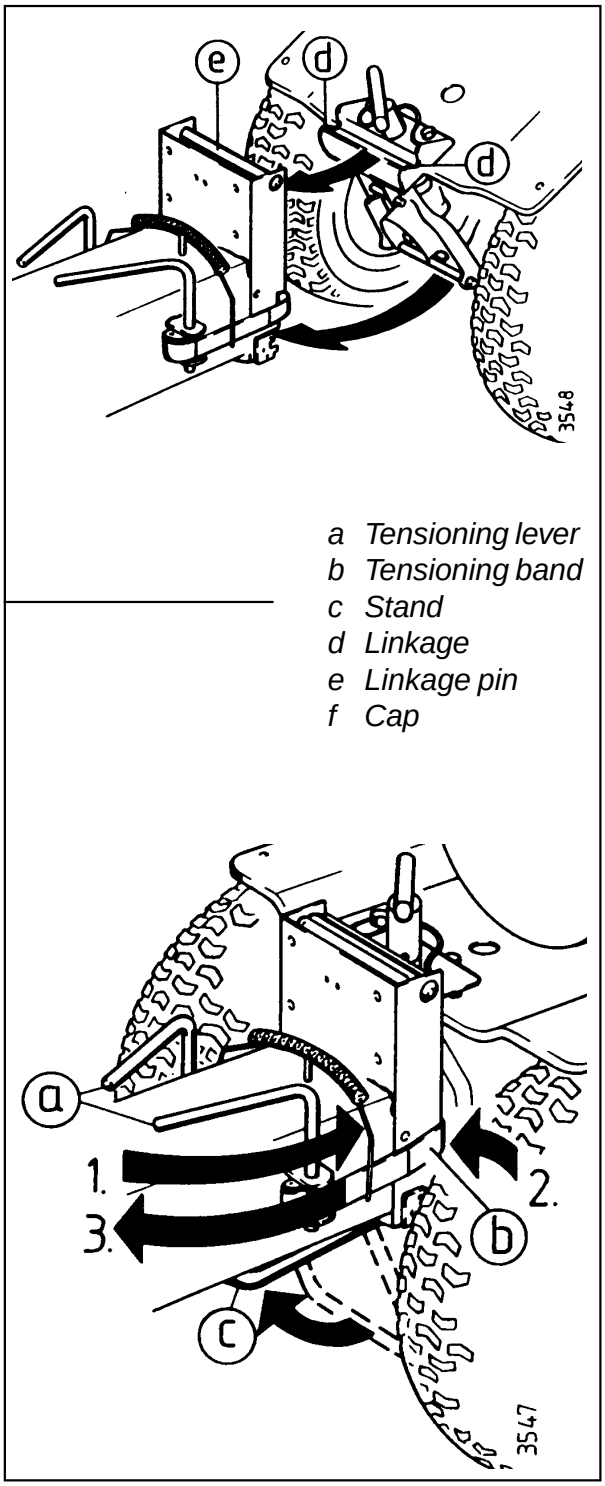
Coupling

- *Move pto lever to "0".*
- *Remove cap (f) from the pto.*
- *Rest the attachment on the stand (c), if equipped.*
- *Bring tensioning bands into starting position:*

1. *Move both tensioning levers (a) to the rear,*

2. *pull both tensioning bands (b) towards the side while you*

3. *move both tensioning levers back to the front.*



a Tensioning lever
b Tensioning band
c Stand
d Linkage
e Linkage pin
f Cap

- *Move the basic machine to the attachment. Hook the machine up to the pin (e) on the attachment.*
- *Couple the attachment with tensioning devices:*

1. *Move both tensioning levers (a) to the rear,*
2. *until tensioning bands (b) lock into the slots of the attachment linkage,*
3. *move both tensioning levers back to the front to a stop.*

- *Move the stand (c) back up and lock.*

It will be easier to move the springs of the tension levers back to their original position, if the wheels are in position "NEUTRAL" (see chapter "Wheel drive" on page 27)

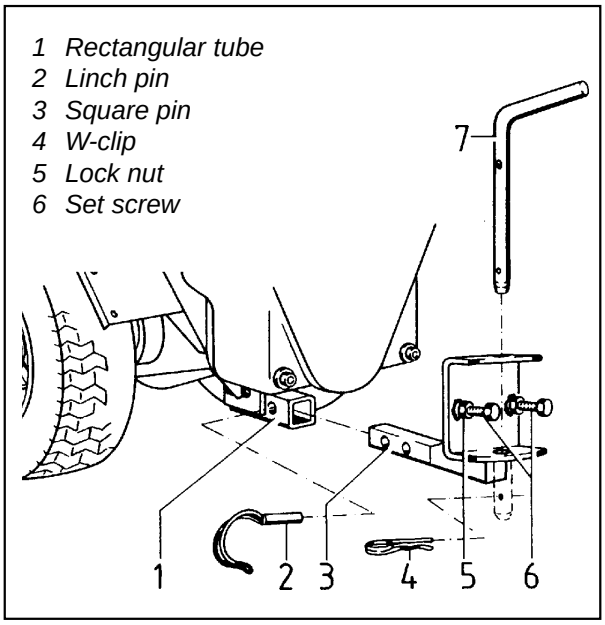
Decoupling

To decouple the attachment reverse the above process.

Fit the cap onto the pto shaft of the basic machine.

Warning!
Only drive pto-driven attachments at speed "I" (slow).
Only operate attachments only with all guards in place.

Observe the operating instructions of the respective attachments!



1 Rectangular tube
2 Linch pin
3 Square pin
4 W-clip
5 Lock nut
6 Set screw

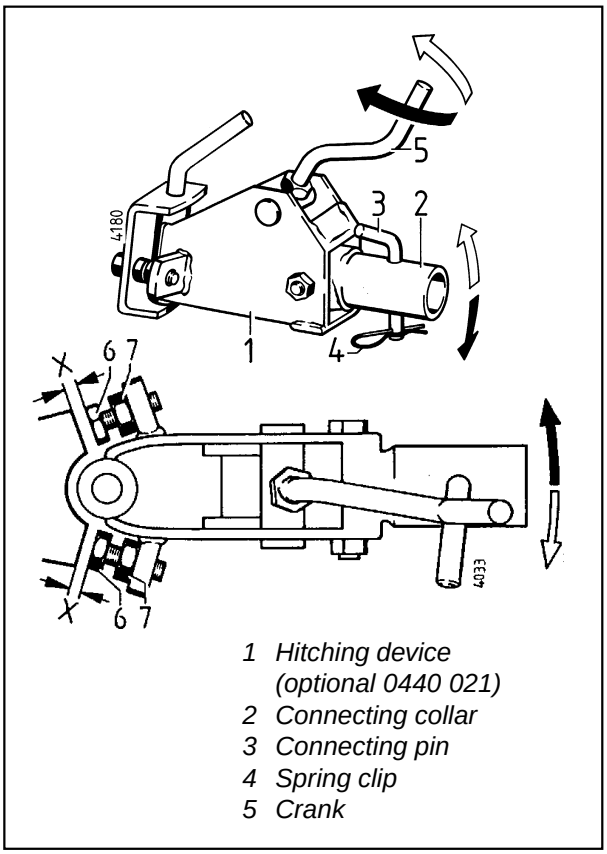
Rear Attachments

Most rear attachments are linked to the clevis with a pin (7) (accessory).

The coupling unit (3) is inserted into the rectangular tube (1) underneath the V-belt guard.

Insert square pins (3) into rectangular tube (1) to a stop and lock with a linch pin (2).

The angle through which some attachments, like the depth bar or the plough, pivot is set by adjusting screws (6) and lock nuts (5), according to requirements.



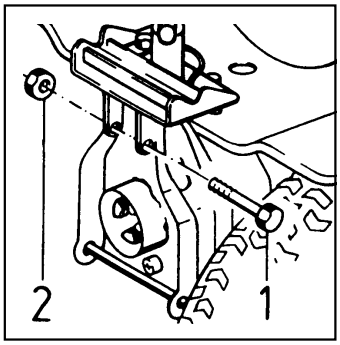
1 Hitching device (optional 0440 021)
2 Connecting collar
3 Connecting pin
4 Spring clip
5 Crank

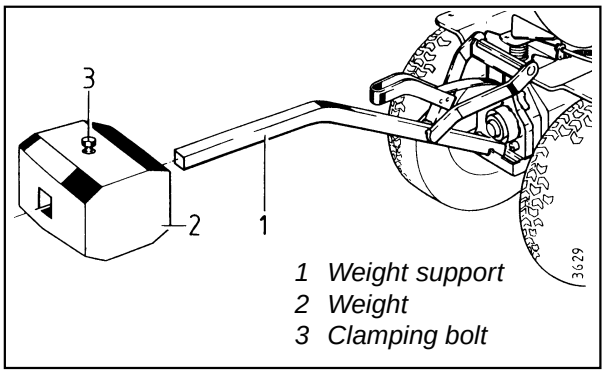
Hitching Device

The hitching device (1) (optional) is an adapter placed between the drawbar coupling and the attachments (plough, cultivator etc.). These attachments are placed with their connecting yoke into the connecting collar (2) , fixed down using the connecting pin (3) which is then secured with a spring clip (4) .

The working height with the hitching device may be individually adjusted by using the crank (5) .

The amount of movement "play X" may be changed using the adjusting screws (6 and 7) . In this way the steering pattern may be individually adjusted for each attachment.





1 Weight support
2 Weight
3 Clamping bolt

Front Weight

A front weight can be mounted to counterbalance the weight of rear attachments and to improve traction.

The front weight support is fitted to the front attachment flange.

For first assembly, fit the hex bolt (1) together with hex nut (2) into the front attachment flange. The bolt serves as a coupling pin to couple the attachment using fast tensioning devices.

The hex bolt remains in its place when the weight support is removed.

Fitting the weight support

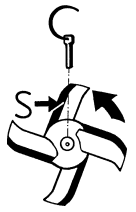
- *Fit the weight support to the front attachment flange with the central quick tensioning device.*
- *Push the front weight (2) onto the square pin (1) and squeeze tight with hex bolt (3).*

Removing the weight support

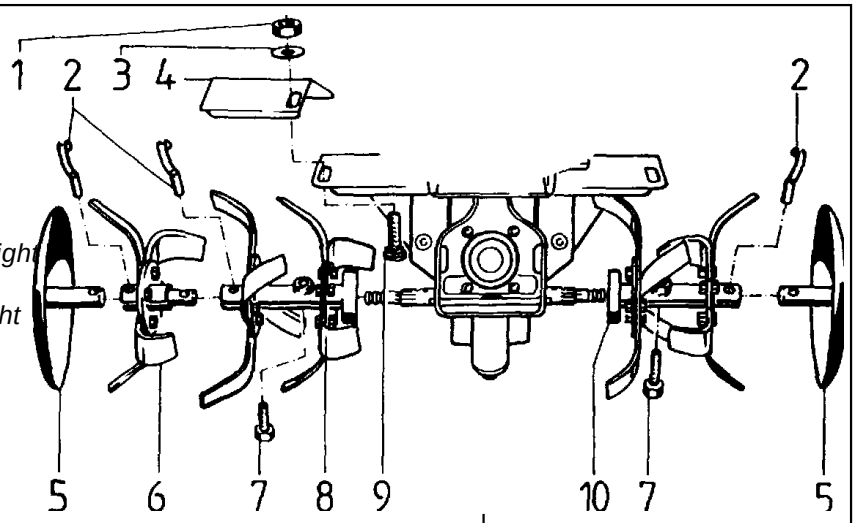
When removing the weight support, the weight can stay mounted on it. To remove the weight support, open the quick tensioning device.

Hoe blades

1 Hex nut
2 Linch pin
3 Star washer
4 Extra guard
5 Guard discs
6 Add-on blade set
7 Hex bolt
8 Basic set of hoe blades,right
9 Countersunk bolt
10 Basic set of hoe blades,right



S = cutting edge



Example: hoeing width 65 cm | Example: hoeing width 45 cm

Hoeing width:

Standard sets of blades
approx. ..... 45 cm

Standard and add-on sets of blades
approx. ..... 65 cm

Fitting the blade sets

⚠ Only fit/remove the sets of blades while the engine is switched off and the spark-plug connector is removed! Wear safety gloves!

45 cm hoeing width:

- Fit one set of blades (8+10) on each end of the rotor shaft. Ensure that the blades point into travel direction. When fitting a second set of blades (either on the left or right side), make sure the blades which point to the case are fitted in a staggered way to the respective blades on the other side of the case.
- Bolt down sets of blades with hex bolts (7) through the borings of the hub/rotor shaft.

65 cm hoeing width:

- To fit the standard sets of blades, follow the instructions for a 45 cm cultivating width.
- Fit the add-on sets of blades (accessory No. 1008 111) (6) in the hubs of the standard sets.
- Insert linch pins (2) in hub/shaft borings to secure them,
- Bolt down (9,3 +1) the guards (4).

Guard discs

The discs are to prevent trees, shrubs and bushes from being damaged by the hoe and to prevent young plants from being covered with soil. In addition, they offer protection for the operator, when hoeing along headlands or fences.

- Fit the discs (5) in the hubs of the blade sets.
- Fasten with linch pin (2) through hub/shaft borings.

Depth bar

There are two depth bar versions available:

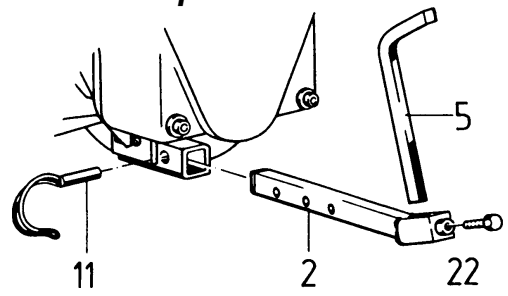
- *Standard depth bar (adjustable bar),*
- *Wheel depth bar (support wheels). The depth bar is fitted on the coupling unit. The support wheels are to ensure an easier transport of the machine.*

Fitting the depth bar

- *To fit the standard depth bar, insert the bar unit into the rectangular tube designed for coupling rear attachments. Secure with linch pin.*
- *To fit the wheel depth bar, first fit the wheel axle (1) onto square bolt.*

The machine's forward movement is slowed down by the depth bar.

Standard depth bar



The proper cultivating depth is controlled by pushing the depth bar (5) down into the soil. The deeper the depth bar is pushed into the soil, the slower is the machine's forward movement and the blades will cultivate the soil at a greater depth.

Depth setting:

deep for heavy, hard soil

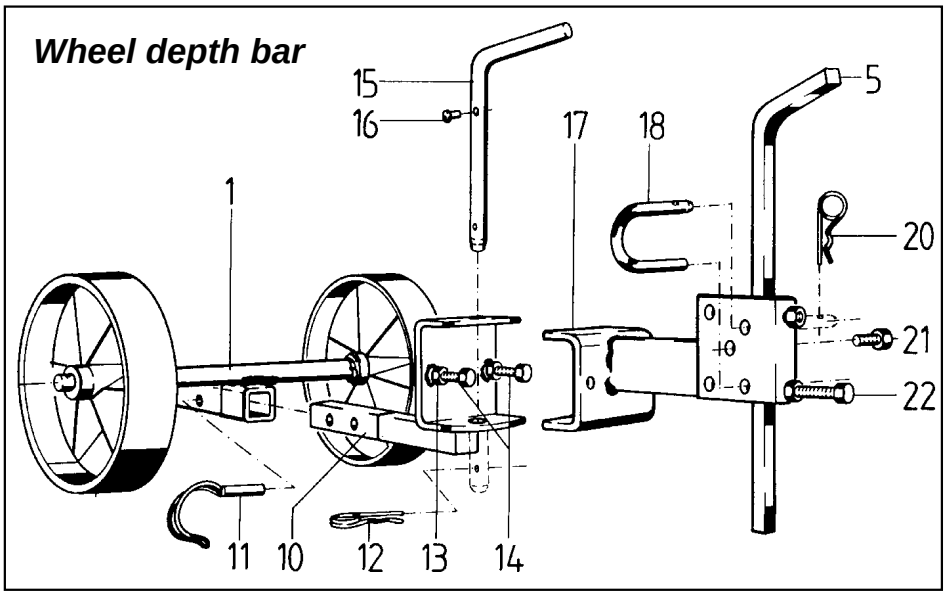
high light, loose soil

To work on sandy soils turn the depth bar upside down for the angled end to point down and backwards.

Setting the depth bar:

- *Loosen clamp screw (22), push the depth bar to the desired position and retighten clamp screw.*
- *For the coupling unit version, you can adjust the bar's pivoting angle with the set screws (14) and lock nuts (13), depending on requirements.*

Wheel depth bar



1 Wheel axle
2 Standard depth bar unit
5 Depth bar
10 Coupling unit
11 Linch pin
12 W-clip
13 Lock nut
14 Set screw
15 Pin
17 Wheel depth bar mounting unit
18 U-pin
20 W-clip
21 Clamp screw for ridger
22 Clamp screw

Ridging unit

Required accessories:
1 Linkage ..... Item no. 0440 111
1 Ridger ..... Item no. 0252 011

Optional:
1 Pair of strake wheels .....
..... Item no. 0120 011

Assembly:

- *Remove add-on sets of blades, if equipped.*
- *Take both sets of blades (8+10) pointing outwards and remove them from both ends of the rotor shaft. Swap sides and fit each set again on the other shaft end. Blades point inwards (as depicted below). The hoeing width is now 36 cm, and there is no need to fit extra sets of blades.*
- *Fit the guard discs.*
- *Remove the depth bar. To do this, fit the coupling unit (13) instead.*
- *Insert the ridger stem (1) into the pocket of the beam, insert U-pin (2) as depicted and secure with spring clip (3).*
- *Set the angle of the ridger (1) with hex bolt (5). After setting the desired ridging depth (1), bolt the ridger down with hex bolt (4).*

Strake wheels

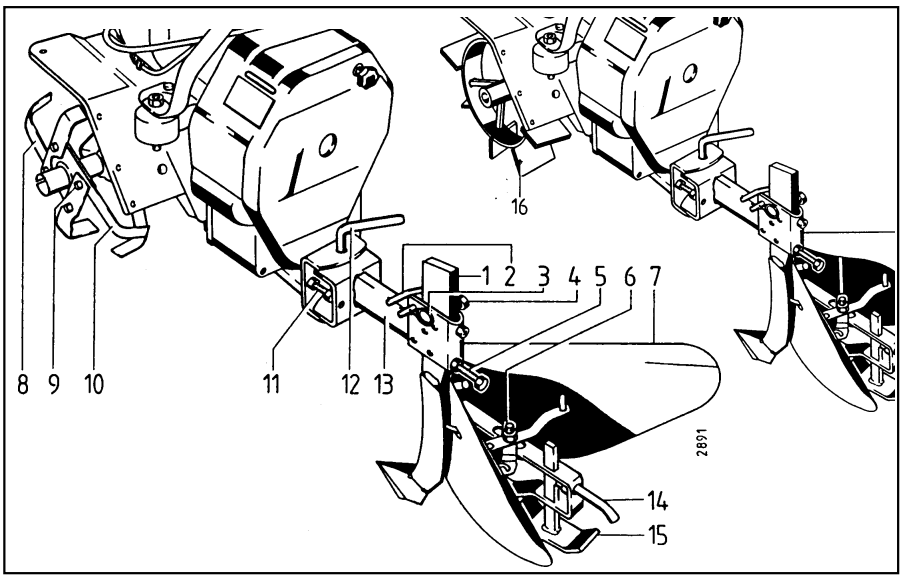
For full tractive power or improved ridging in cultivated soil, strake wheels (Accessory no. 0120 011) (16) can be used instead of blade sets.

The strake wheels are fitted, like the blades, by inserting hex bolts into borings of hub and shaft.

Ridging

To use the machine for ridging, proceed as described in chapter "Hoeing".

- *You readjust the ridging depth by adjusting the ridger's angle. For this purpose, turn the set screw (5) or the slade (15) and clamp screw (14).*
- *Adjust the desired ridging width by adjusting the mouldboards (7) and the clamp screw (6).*
- *The angle through which the ridger moves is set with the set screws (11) and lock nuts, according to requirements.*



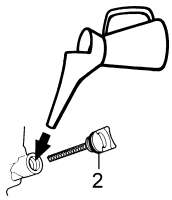
1 Ridger
2 U-pin
3 Spring clip
4 Clamp bolt for ridger
5 Set screw for ridging depth
6 Clamp screw for adjusting ridging width
7 Mouldboard
8 Blade
9 Fastening screw for blades
10 Blade
11 Set screw for swinging buffer
12 Pin
13 Linkage
14 Clamp screw for slade
15 Slade
16 Strake wheels

Commissioning the Machine

Please note that durability and operational safety of the engine depend to a large extent on its breaking-in. Always allow a cold engine to warm up for some minutes and never run it at full throttle at the beginning. Make sure the air filter is serviced regularly and to use clean fuel.

Please note: for the first 20 hours of operation (break-in period) do not use the engine at full power.

ⓘ ***Note:*** *For reasons of transport, the machine is not filled with engine oil!*
Before you operate the engine the first time, fill in engine oil!



For this purpose, park the machine in such a way that the engine is in a horizontal position. For oil filling quantity and quality see specifications.

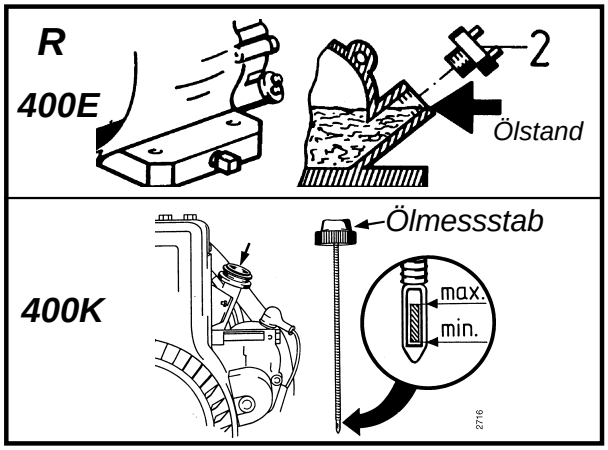
Check the oil level.

- *Remove the oil filler plug (B/11)or dip-stick (D/11).*
- *The oil level must level with oil filling opening or reach the mark max on the oil dip-stick (fig. R), top up engine oil as necessary.*
- *Re-tighten the oil plug.*

When the engine is running, the oil plug must sit tight in the oil filler neck.

To avoid starting problems, top up fuel before starting for the first time and after longer storage.

Before each operation:

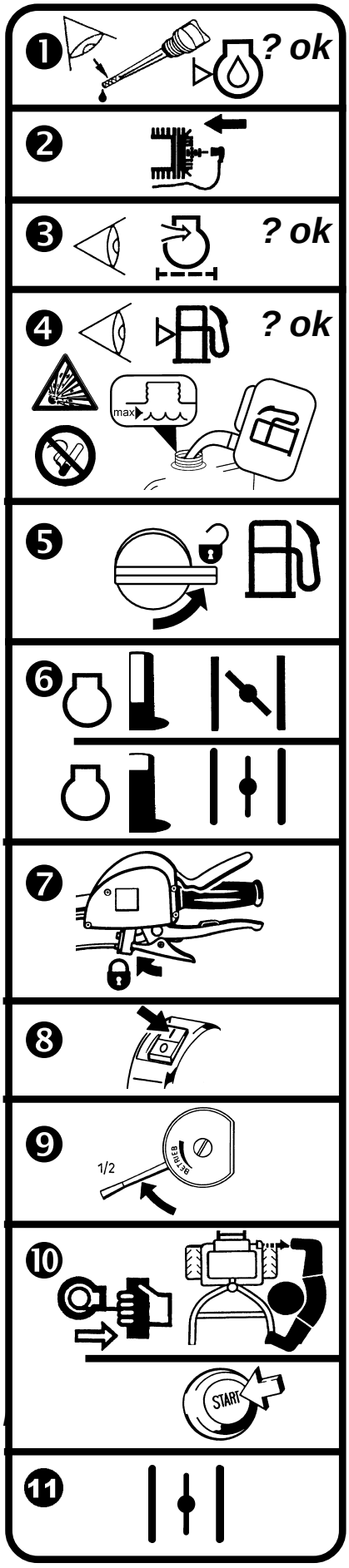


- *Check the engine oil-level (fig. R), if necessary – do not add too much oil.*
- *Check whether the fuel tank contains enough fuel.*

Do not fill the fuel tank until the fuel overflows. Leave enough room (approx. 5 mm) for the fuel to expand.

⚠ ***Be careful when dealing with fuel. Great danger of fire! Never refill fuel close to open fire, inflammable sparks or hot engine parts.***

- ***Do not refill fuel in closed rooms.***
- ***Do not smoke when refilling!***
- ***Refill only with the engine switched off and cooled down.***
- ***Do not spill any fuel, use a proper filling device.***
- ***Do not start the engine in closed rooms. Exhaust fumes contain carbon monoxide, which acts toxic when inhaled.***
- ***Before starting the engine, move all controls to neutral or idling position.***
- ***Do not step near the coupled attachment.***



⚠ ***Do not start engine in closed rooms! Exhaust fumes contain carbon monoxide which acts toxic when inhaled.***

Starting the Engine

● *Protective covers mounted? Attachments attached correctly?*

❶ *Check engine oil level.*

❷ *Mount spark plug connector.*

❸ *Air filter clean?*

❹ *Fuel quantity in tank sufficient?*

⚠ ***Be careful when dealing with fuel - see hint page 41!***

❺ *Open the fuel tap.*
(only version Power Built engine)

❻ ***Cold*** *engine:*
Move the choke lever to position “CHOKE”.
Warm *engine:*
Do not use the CHOKE (operating position).

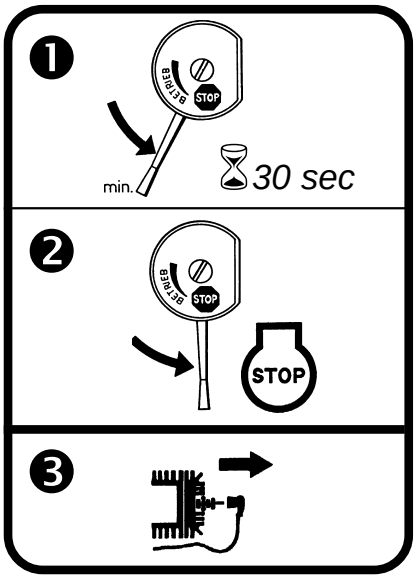
❼ *Pull the clutch lever and safety circuit shift lever in start position.*

❽ *Flick the engine shut-off switch to “I”.*
(only version Power Built engine)

❾ *Move the speed control lever to a central position (between idling speed and full throttle).*

❿ *Start engine with the reverse starter*
- start from a position outside the hazardous area!
Electric start - only version 400K
● *Press the start button (G/8).*
- Electric starter is turning.
As soon as the motor is started, release the start button.

⓫ *CHOKE to operation position.*



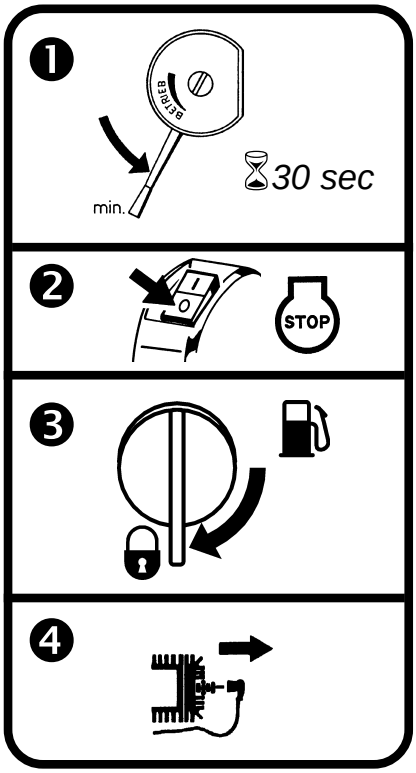
Shutting off the Engine

Version 5 HP engine

❶ *Move the speed control lever to idle position and let the engine run idle (min) for approx. half a minute.*

❷ *Move the speed control lever to STOP.*

❸ *Withdraw spark plug connector - protection against unauthorised use!*



Version Power Built engine

❶ *Move the speed control lever to idle position and let the engine run idle (min) for approx. half a minute.*

❷ *Flick the engine shut-off switch to position ”0”.*

❸ *Close the fuel tap.*

❹ *Withdraw spark plug connector - protection against unauthorised use!*

⚠ ***Have the engine cooled down before parking the power hoe in closed rooms.***

⚠ ***Do not move the choke lever to CHOKE position to shut off the engine – danger of fire!***

ⓘ *The speed control lever also serves as **emergency off-switch**. If necessary, move the speed control lever to position “STOP” to cut out the engine.*

Operation

⚠ ***Check safety circuit function - only operate the machine if the safety circuit is working.***

Wear individual protective ear plugs and solid shoes.

- *Couple the attachment.*
- *Set the correct ground speed for the attachment.*
- *Set drive-wheels to position “drive”.*
- *Switch on wheel drive with hand lever (E/11 or G/11).*
- *For pto-driven attachments: move pto lever (A/1 or H/6) to “I”.*
- *Slightly pull on hand clutch lever (E/4 or G/4), unlock pawl (E/5 or G/5), release slowly and press the throttle. The pto-driven attachment starts moving and the multi-purpose machine travels forward.*

Reverse

- *Move speed control lever to NEUTRAL/IDLE POSITION.*
- *Pull hand clutch lever (E/4 or G/4) to middle position and wait until the machine stops moving forward.*
- *Pull hand clutch lever all the way up and press the trottle at the same time.*

⚠ ***If cleaning becomes necessary during operation, cut out the engine and remove spark plug connector for safety reasons.***

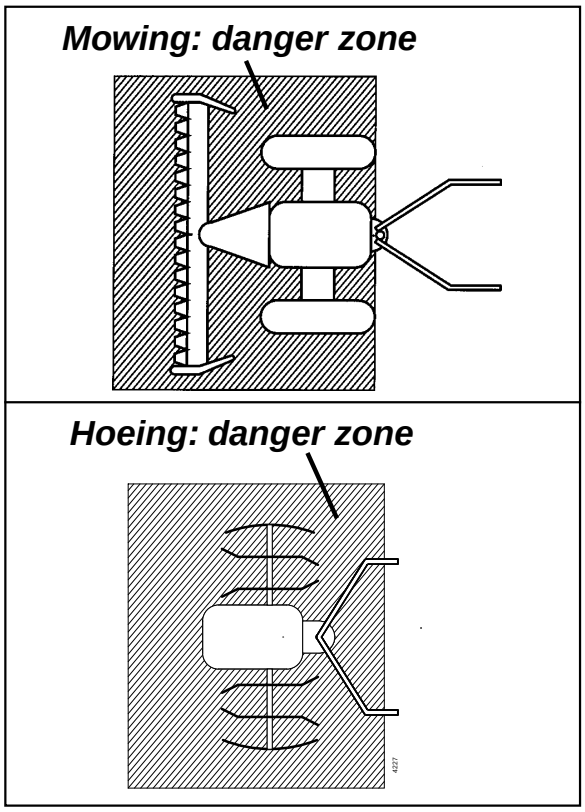
End of operation:

- *Switch off wheel-drive. To do this, pull hand lever for wheel drive (E/11 or G/11) and lock pawl.*
- *Pull hand-clutch lever (E/4 or G/4) and lock pawl.*
- *For pto-driven attachments: Move the pto-lever (A/1 or H/6) to position “0”.*
- *Turn off the engine.*

⚠ ***Immediately re-install any guards on the attachment (e.g. knife strip on the cutterbar).***

Danger zone

⚠ ***Keep out of the machine’s danger zone during starts and operation.***



5

Apart from observing all operating instructions governing the multi-purpose machine, it is also important to pay attention to the following service and maintenance instructions.

⚠ ***Please note: Only do all maintenance work with the engine switched off.***

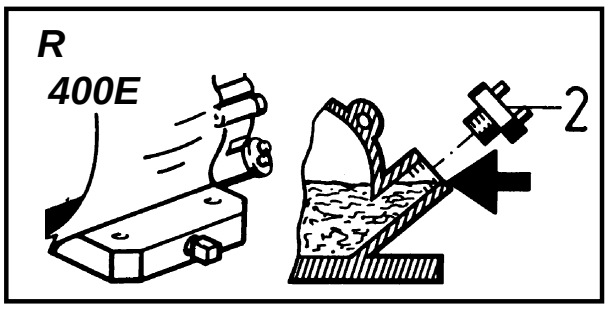
To prevent the engine from starting accidentally, always remove the spark plug connector disconnected.

When you treat the multi-purpose machine carefully and clean it after each operation, the machine will always provide trouble-free service.

Engine (Type 400E)

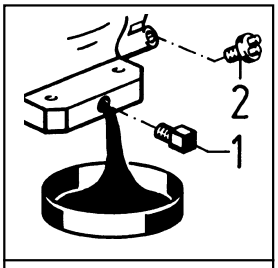
Check oil level

- ***each time you take up operation and after every 5 operating hours,***
- *only with engine switched off and the machine is in horizontal position.*
- *Clean oil filler plug (B/11) and surrounding parts.*
- *Remove oil filler plug.*
- *Oil level must level with oil filling opening (Fig. R).*
- *If this is not the case, refill engine oil (refer to "Specifications"). – Do not overfill!*
- *Re-tighten oil filler plug.*

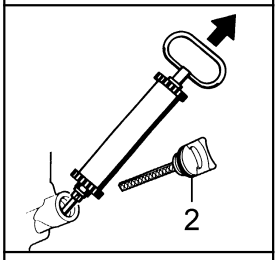


Changing Engine Oil

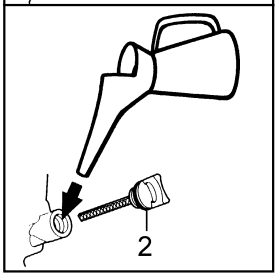
The first oil change is after 5 operating hours. *Following oil changes are after every* ***50*** *operating hours or at yearly intervals, depending on which operating period is completed first. After heavy-duty operation or at high temperatures change oil after 25 operating hours.*



- *Open the drain and filler plug (1+2) and drain the oil into a suitable container or use a suction pump to remove the oil through the filler neck.*



- *Ensure the waste oil is disposed of properly!*
- *Tighten drain plug well and fill fresh engine oil. For proper oil quantity and quality, refer to chapter "Specifications"*



If possible, use a funnel or similar device to fill in oil.

- *Re-tighten oil filler plug.*

Only change oil while engine is still warm, but not hot – ***danger of burns!***

5

Apart from observing all operating instructions governing the multi-purpose machine, it is also important to pay attention to the following service and maintenance instructions.

⚠ ***Please note: Only do all maintenance work with the engine switched off.***

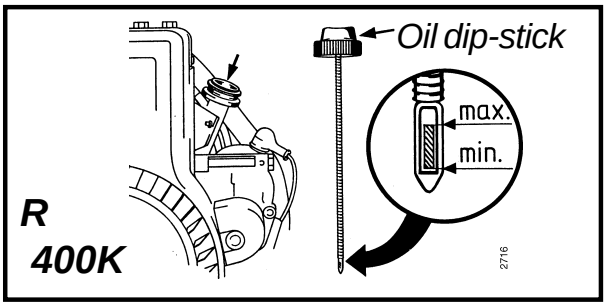
To prevent the engine from starting accidentally, always remove the spark plug connector disconnected.

When you treat the multi-purpose machine carefully and clean it after each operation, the machine will always provide trouble-free service.

Engine (Type 400K)

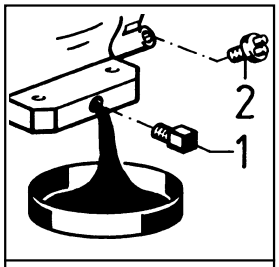
Check oil level

- ***each time you take up operation and after every 5 operating hours,***
- *only with engine switched off and the machine is in horizontal position.*
- *Clean oil filler plug (D/11) and surrounding parts.*
- *Remove oil filler plug.*
- *Clean dip-stick with a clean cloth and screw it back into the oil tank. Remove dip-stick again and read the oil level. (Fig.R)*
- *In case the oil level is below the lower mark, refill engine oil (refer to "Specifications"). – Do not overfill the tank!*
- *Re-tighten oil filler plug.*

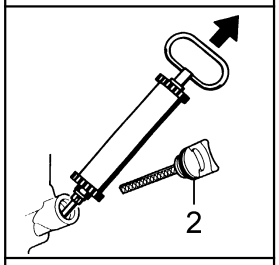


Changing Engine Oil

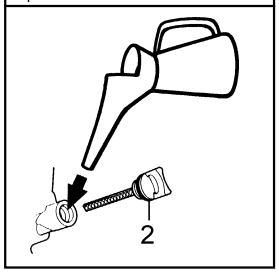
The first oil change is after 5 operating hours. *Following oil changes are after **50** operating hours or at yearly intervals, depending on which operating period is completed first. After heavy-duty operation or at high temperatures change oil after 25 operating hours.*



- *Open the drain plug (1) and filler plug (dip-stick) (2) and drain the oil into a suitable container or use a suction pump to remove the oil through the filler neck.*



- *Ensure the waste oil is disposed of properly!*



- *Tighten drain plug well and fill fresh engine oil. For proper oil quantity and quality, refer to chapter "Specifications"*

If possible, use a funnel or similar device to fill in oil.

- *Re-tighten oil filler plug.*

*Only change oil while engine is still warm, but not hot – **danger of burns!***

Air Filter

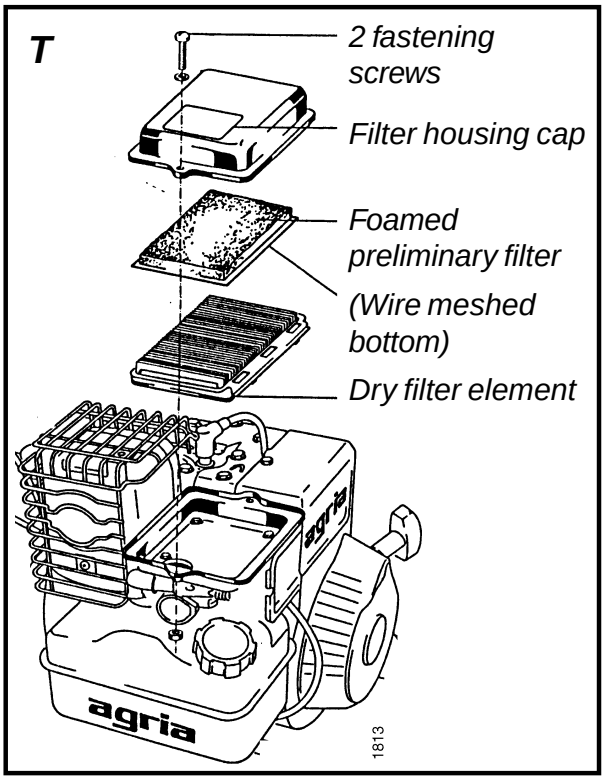
Version 5 HP engine

*Clean air filter insert after every **3 months** or after every **25** operating hours at the latest (in case of heavy dust occurence earlier). For this purpose, proceed as follows:*

- *Loosen screws and remove filter housing cap.*
- *Remove foamed preliminary filter from cap and wash in non-foaming, warm suds. **Do not use** paraffine containing detergents (petrol etc.). Rinse preliminary filter inside out in running water, rinse until water stays clear.*
- *Let insert air-dry **completely,** before you insert it again.*
- *Slightly soak foamed preliminary filter with engine oil, squeeze oil out well (wrap in a cloth and press) to prevent the dry filter element from becoming wet due to excess oil.*
- *Tap dry filter element, do not blow clean with compressed air. Do not treat with oil.*
- *Clean dry filter element after every **100** operating hours or after heavy soiling.*

Version Power Built engine

see separate Briggs & Stratton engine operating instructions



Fuel System

- *Each time you maintain the machine, check fuel hose, fuel tank, and carburetor for leakages. Repair, if necessary, immediately replace leaking or porose fuel hose.*
- *Replace fuel hoses after every 2 years.*
- *If engine fuel supply is too high, move speed control lever to full throttle/Vollgas and crank engine with recoil starter until engine starts.*

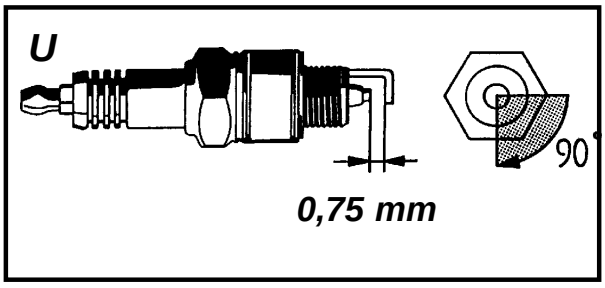
Do not crank engine when spark plug is removed.

Spark Plug

- *After every **50** operating hours clean spark plug (B/10 or D/10) and reset the gap to 0.75 mm. Clean spark plug only with a steel brush and wash with conventional detergent.*
- *Exchange spark plugs after approx. **100** operating hours.*
- *Exchanging spark plug:*

Screw new spark plug into cylinder head by hand. Then continue with a spark plug wrench. Turn wrench through 90° or at a torque of 20 ... 30 Nm (fig. U).

- *With spark plug or spark plug lead removed, do not check ignition for spark formation. Only use approved testing equipment.*



Cleaning the Cooling Screen

After long operation, dirt can clogg the cooling system. To avoid overheating and damage to the engine, regularly clean the cooling screen (B/8 or D/8). Check each time before you take up operation!

Air-Cooling System

*Clean internal cooling fins and surfaces at least every **100** operating hours (earlier in very dusty conditions).*

→agria - Service←

Governor

For smooth engine performance keep governor linkages, springs and controls clean from dust and dirt. Do not bend or twist parts. (Governor linkages on carburetor B/2 or D/2).

Exhaust

Regularly clean the surrounding parts of the muffler (B/9 or D/9) from grass, dirt and inflammable deposits.

⚠ ***- Danger of fire!***

Check each time before you take up operation.

Removing Carbon Deposits

*After every **100** hours of operation take off cylinder head and remove carbon deposits on cylinder, cylinder head, piston crown, and valves and renew gasket.*

→agria - Service←

Cylinder Head Screws

*After the first **5** operating hours retighten cylinder head screws at 16 Nm (1.6 kpm).*

Speed Control

Engine speed controls must be adjusted correctly to start, operate and switch off the engine at correct speed rates.

→agria - Service←

Carburetor Settings

Small differences in fuel, temperature, height or strain can require slight adjustment of the carburetor. Only let the engine run with air filter and air filter cover fitted.

→agria - Service←

Battery (Type 400K)

Power is used from the battery when starting by using the electrical start equipment. This causes it to discharge. The generator partially re-charges it during operation.
Use a standard charger with 12V and a maximum charge of 0.6 A for re-charging.

If the machine or trailer will not be used for a longer period, the battery must be kept fully charged with a current of 0.06A and checked every 4 weeks and re-charged, if necessary. Before recharge, disconnect negative pole.

ⓘ ***The battery manufacturer's operating instructions are the standard for the operation of the battery and its care and maintenance.***

Never leave battery in uncharged state! Note manufacturer's instructions. Avoid sparking and open flames near batteries - threat of an explosion!
Careful when handling battery acid – etching!

Only use specified fuses. If fuses are too strong, the electric system will be destroyed – danger of fire!

Avoid short circuits.

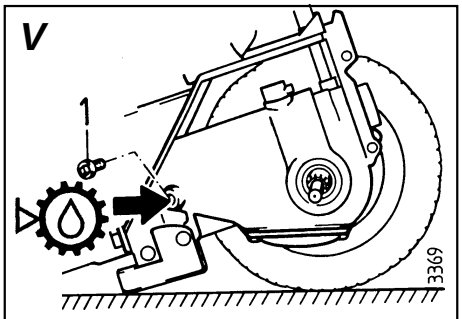
ⓘ ***The battery contains poisonous substances and heavy metals and constitutes hazardous waste.***

5

Machine

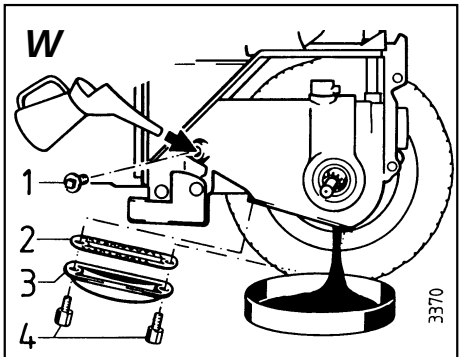
Worm Gear

V



1 Oil filler plug

W



1 Oil filler plug
2 Sealing
3 Transmission housing
4 Hexagon screw

- *Check **transmission oil level** before you take up operation and after every **25** operating hours.*
- *Park machine on level ground (fig. V) and remove oil filler plug (1).*
- *Oil level must reach filling opening. Refill transmission oil, if necessary.*
- *Re-tighten oil filler plug.*

*Exchange **transmission oil once per year** while the engine is still warm from operation.*

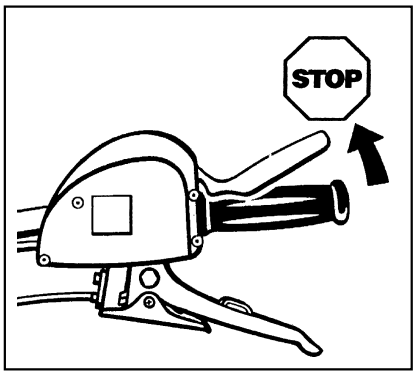
- *For this purpose, remove cover from transmission housing (3) (remove two internal hex bolts).*
- *Collect old oil in proper container and dispose of properly.*
- *Check sealing (2). Exchange sealing and clean sealing surfaces, if necessary. Replace the cover.*
- *Position the machine on level ground and remove oil filler plug (1).*
- *Fill fresh transmission oil until oil level reaches control opening (fig. V). (For proper oil quality, refer to chapter “Specifications”).*
- *Re-tighten oil filler plug.*

5

Drive-Wheels

- *Check tyre pressure (0.8 bar) regularly. For smooth driving, make sure that there is the same air pressure in front and rear tyres respectively.*
- *For full tractive power, mount wheels fitted with field tyres with the pointed parts of lugs showing in travel direction (wheels seen from above).*
- *Constantly check wheel-shaft for wound-on grass, remove the grass by taking off the drive-wheels, if necessary.*
- *Lubricate the wheel-shaft ends with Bio-lubricating grease (small shaft diameter) each time before you mount the drive-wheels, once a year, and after cleaning with a pressure washer.*

Safety circuit



Check safety circuit function each time you take up operation and each time you maintain the machine.

- *With clutch engaged and upon release of safety lever (E/3 bzw. G/3) the engine must automatically come to a stop.*
- *Check electric lines and connections and exchange, if necessary.*

→agria - Service←

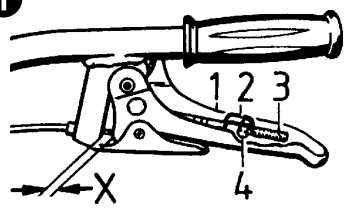
Adjustments on Hand Lever for Clutch and Wheel drive

Check play or adjustments each time before you operate the machine. If necessary, re-adjust (especially after commissioning the machine during break-in period, and after exchanging clutch V-belt).

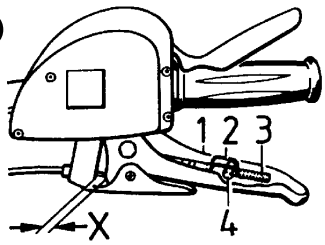
- *Remove the retaining spring (2) with a screw-driver or similar tool.*
- *Remove cable end (3) and set pin (4) out of bracket in hand lever.*
- *Adjust the set pin (4) to a play of X.(Screw set pin in to reduce play, screw out to increase play).*
- *Place cable end and set pin back into bracket and check.*
- *Fit retaining spring (2).*

1 Hand lever for clutch
2 Retaining spring
3 Threaded end of cable
4 Adjusting pin

❶



❷



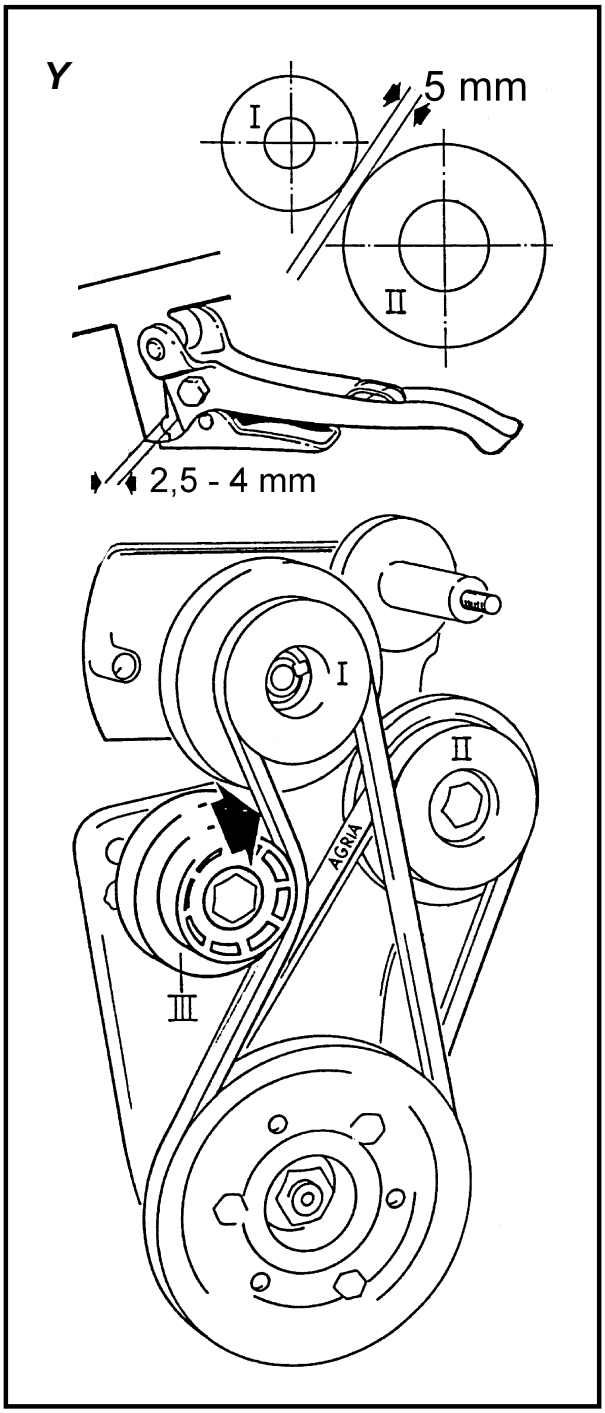
❶ *Hand lever for wheel drive:*

X = 3 - 5 mm

❷ *Hand lever for clutch:*

X = 2,5 - 4 mm

However, the basic setting is adjusted in neutral position.(see "Adjusting V-Belt Tension").



⚠ *Only operate attachments with all guards in place.*

Do not use conventional V-belts but only agria special belts.

Adjusting V-Belt Tension

Tension of V-belt requires re-adjustment, when the hand clutch lever play is less than 1.5 mm with forward speed engaged.

- *Remove pulley and belt guard (F/8 or H/8). For this purpose, unscrew lock nuts (F/10 or H/10).*
- *Remove V-belt guide plate (F/7 or H/7).*
- *Move hand clutch lever (E/4 or G/4) to neutral/Leerlauf (pawl (E/5 or G/5) is locked).*
- *Screw V-belt pulley and rubber pulley "II" into wall until V-belt tension is normal for reverse speed.*
- *Prepare rubber pulley "II" for reverse speed by adjusting the Bowden cable in the hand clutch lever (fig. X) in such a way that the space between the outside diameter of pulley "I" and the outside diameter of rubber pulley "II" is 5 mm (fig. Y).*
- *Engage hand clutch lever for forward speed.*
- *Turn idler pulley "III" into arrow direction, until play in hand clutch lever (in forward position) is 2.5–4 mm.*
- *Replace V-belt guide (F/7 or H/7) (see fig. F or H).*
- *Mount pulley and belt guard (F/8 or H/8). For this purpose, the clutch lever must be in position "forward".*

5

General

- *Watch out for fuel and oil leakage and repair, if necessary.*
- *Regularly check bolts and nuts and retighten, if necessary.*
- *Slightly grease all gliding and moving parts (e.g. speed control lever, hand lever bearing, etc.) with Bio-lubricating grease and Bio-slushing oil.*

Cleaning

Machine

After cleaning the machine with a pressure washer, lubricate all lubrication points immediately, and let the machine run for a short time to press water out.

Apply grease generously to leave a grease ring around bearings to prevent water, plant sap, and dirt from penetrating.

Engine

Clean the engine only with a cloth. Avoid spraying with strong water jets, as water might leak into the ignition and fuel system, causing malfunctions.

Storage

For longer periods of no operation prepare machine for storage. Proceed as follows:

a) Clean thoroughly

Repair the paint coat, grease all lubricating points and operate the machine for a short time. Then spray all shining parts, in particular sets of blades, with bio-slushing oil.

b) Engine preservation

- *Drain fuel completely or fill fuel tank and add fuel stabilizer (agria No. 799 09).*

- Observe enclosed instructions.

Let engine run for approx. 1 minute.

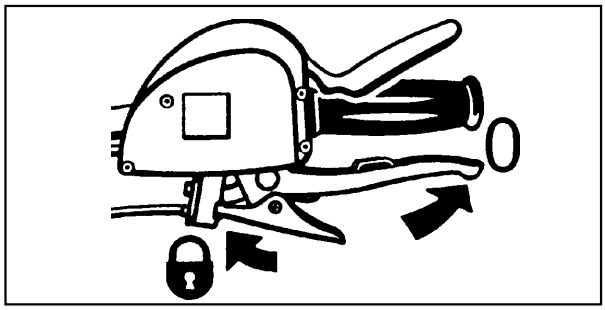
- *Change the engine oil.*
- *Fill a tea-spoon (approx. 0.03l) of engine oil into the spark plug opening. Slowly crank the engine.*
- *Reinstall the spark plug and set the piston to compression via the recoil starter (pull the starter grip until resistance is felt) – valves are closed.*
- *Slowly crank the engine after every 2–3 weeks (spark-plug connector is removed). Then set the piston to compression again.*

c) Drive-wheels

Support drive-wheels in such a way that tyres have no ground contact. Pneumatic tyres are quickly destroyed, if left standing under load and unsupported.

d) Clutch

Always park the machine with the hand clutch lever pulled (“0” = pawl locked in place). Otherwise clutch problems may result due to corrosion.



e) Battery of type 400K

Before storing it is absolutely necessary to fully charge the battery and to recharge before reaching the minimum no-load voltage value (refer to "Battery" page 33).

f) Parking

To avoid severe corrosion:
- to preserve the machine from atmosperic influences
do not park the machine:
- in humid rooms
- in rooms where fertilizer is stored
- in stables or adjacent rooms.

g) Covering the machine

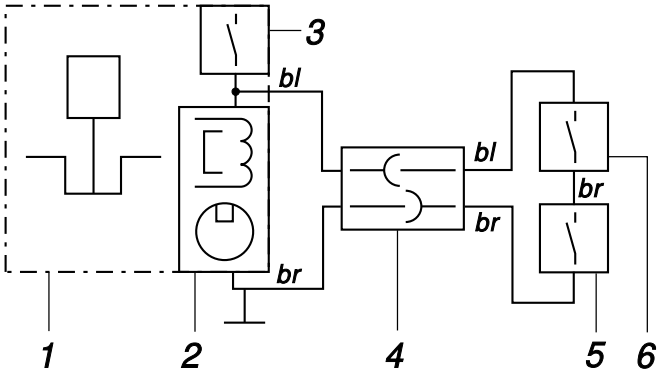
Protect the machine with cloth or a similar cover.

Observe safety instructions! *Have all serious malfunctions on the machine or engine repaired by your agria workshop. They have the proper tools. Improper repairs can only add to the damage.*

Problem	Possible cause	Possible solution	Page
Engine does not start	- Spark plug connector not connected	Connect spark plug connector	
	- Choke is not in position CHOKE	Set Choke-lever to position “CHOKE”	42
	- Fuel tank empty or poor fuel	Fill fresh fuel	41
	- Fuel line clogged	Clean fuel line	
	- Defective spark plug	Clean, adjust or exchange spark plug	48
	- Engine too much fuel (“flooded engine”)	Dry and clean spark plug and start at full throttle	47
	- Inleaked air due to loose caburetor and suction line	Tighten fastening screws	
Misfirings in engine	- Engine running in CHOKE range	Set CHOKE-lever to operating position	42
	- Loose ignition cable	Firmly connect spark plug connector to ignition cable, fix ignition cable retaining device, firmly connect spark plug connector to spark plug	
	- Clogged fuel line or poor fuel	Clean fuel line, fill fresh fuel	41
	- Vent opening in fuel tank cap clogged	Exchange fuel tank cap	
	- Water or dirt in fuel system	Drain fuel and fill fresh fuel	
	- Air filter clogged	Clean air filter or exchange	47
	- Carburetor misadjusted	Re-adjust carburetor ✶	49
Excessive temperature in engine	- Low engine oil level	Refill oil immediately	45, 46
	- Impaired cooling	Clean cooling fan grid,	48
		clean internal cooling ribs ✶	48
	- Air filter clogged	Clean air filter	47
	- Carburetor misadjusted	Re-adjust carburetor ✶	49
Misfirings in engine at high speeds	- Short firing intervals	Adjust spark plug	48
	- Incorrect idle mixture	Adjust carburetor ✶	49
Engine frequently stalls in idle	- Firing interval too long, defective spark plug	Adjust or replace spark plug	48
	- Air filter clogged	Clean air filter	47
	- Carburetor misadjusted	Re-adjust carburetor ✶	49
Engine does not run smoothly	- Speed control linkages clogged or jammed	Clean speed control linkages	48
Engine does not stop when set to stop	- Speed control and engine stop are not adjusted properly	Adjust speed control ✶	49

Problem	Possible cause	Possible solution		Page
Engine output too low	- Air filter clogged	Clean air filter		47
	- Loose cylinder head or damaged sealing	Tighten cylinder head, exchange sealing	✶	49
	- Poor compression	Have engine checked	✶	
Travelling drive or mowing drive does not stop with clutch pulled	- Incorrect hand clutch lever adjustment	Adjust hand clutch lever	✶	51
Excessive vibration	- Fastening screws loosened	Tighten fastening screws		53

✶ = For this purpose contact your agria workshop.

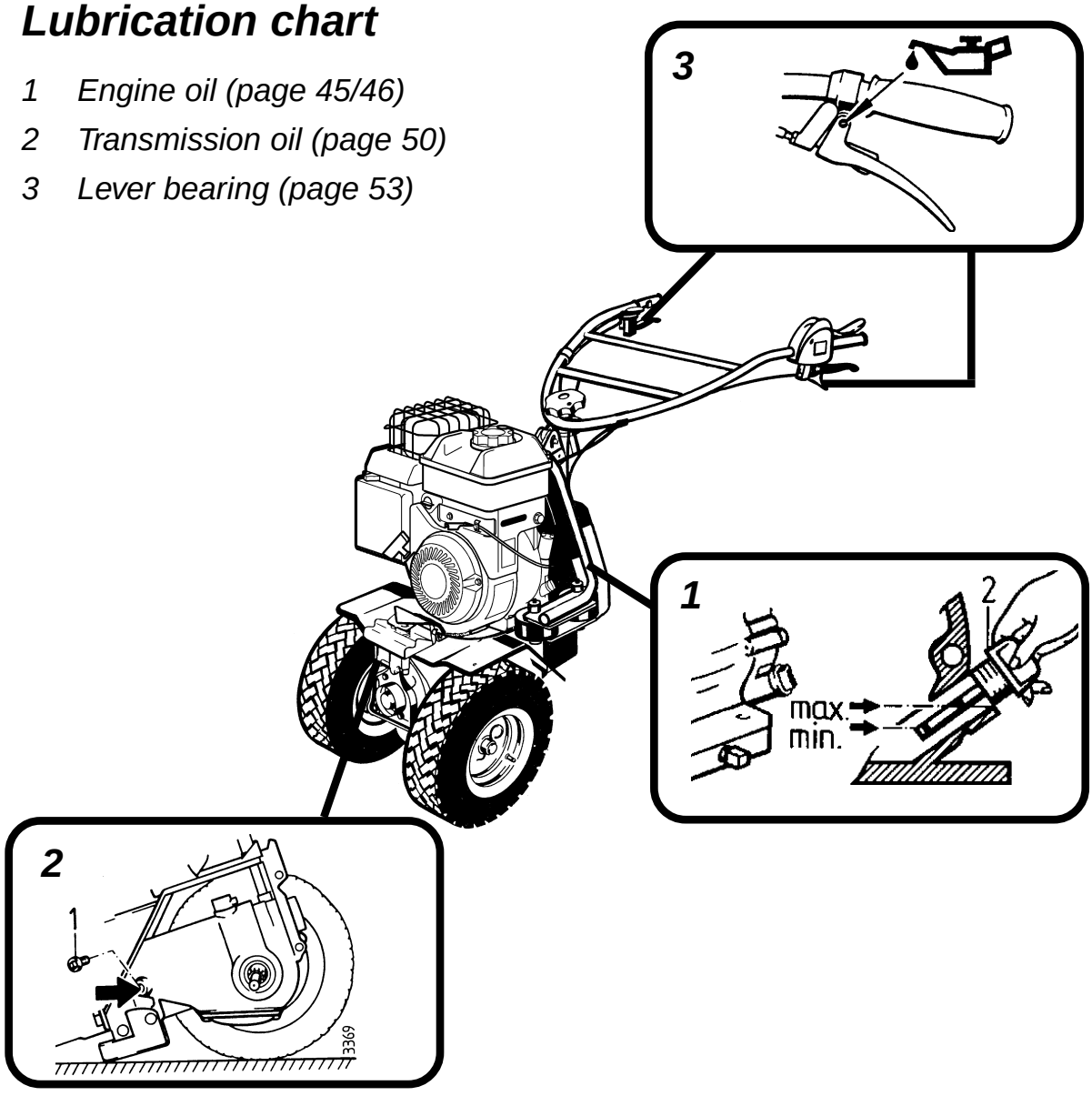


1 Engine
2 Magnet ignition system
3 Engine-off-switch (on speed control lever next to engine)
4 Connector pair
5 Switch in safety lever
6 Switch in clutch lever

bl = blue
br = brown

Lubrication chart

1 Engine oil (page 45/46)
2 Transmission oil (page 50)
3 Lever bearing (page 53)



agria Order No.

799 09	*Fuel stabilizer*	*pouch*	*5 g*

Emergency Tyre Repair

713 13	*Tyre sealing gel Terra-S*	*bottle*	*1l*

Varnishes

181 03	*Spray varnish birch-green*	*spray tin*	*400ml*
712 98	*Spray varnish red, RAL 2002*	*spray tin*	*400ml*
509 68	*Spray varnish black*	*spray tin*	*400ml*

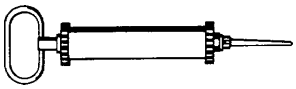
Wear Parts

672 44	*Air filter insert*
686 34	*Spark plug RJ 19 LM*
481 75	*V-belt for clutch*
481 74	*V-belt for reverse drive*
305 65	*Gasket for housing cap (oil change)*

Note: *Only use original agria V-belts!*

Spare Parts

997 086 *All-purpose machine 400E, 400K and attachments*



771 83 *Suction pump*

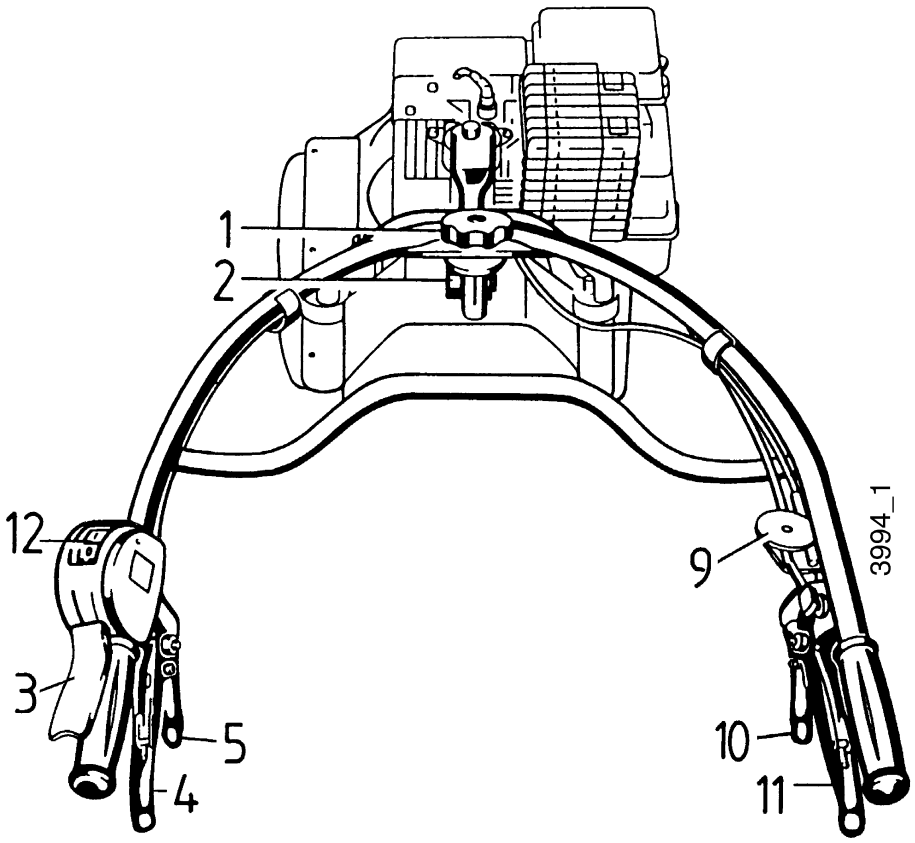
Figure E

1 Hex bolt for steering handle side adjustment
2 Hex bolt for steering handle height adjustment
3 Lever for safety circuit
4 Hand clutch lever and forward/reverse shift
5 Pawl for hand clutch lever
9 Speed control lever, engine-off-switch
10 Pawl for wheel drive lever
11 Hand lever for wheel-drive
12 Engine shut-off switch (only version Power Built engine)

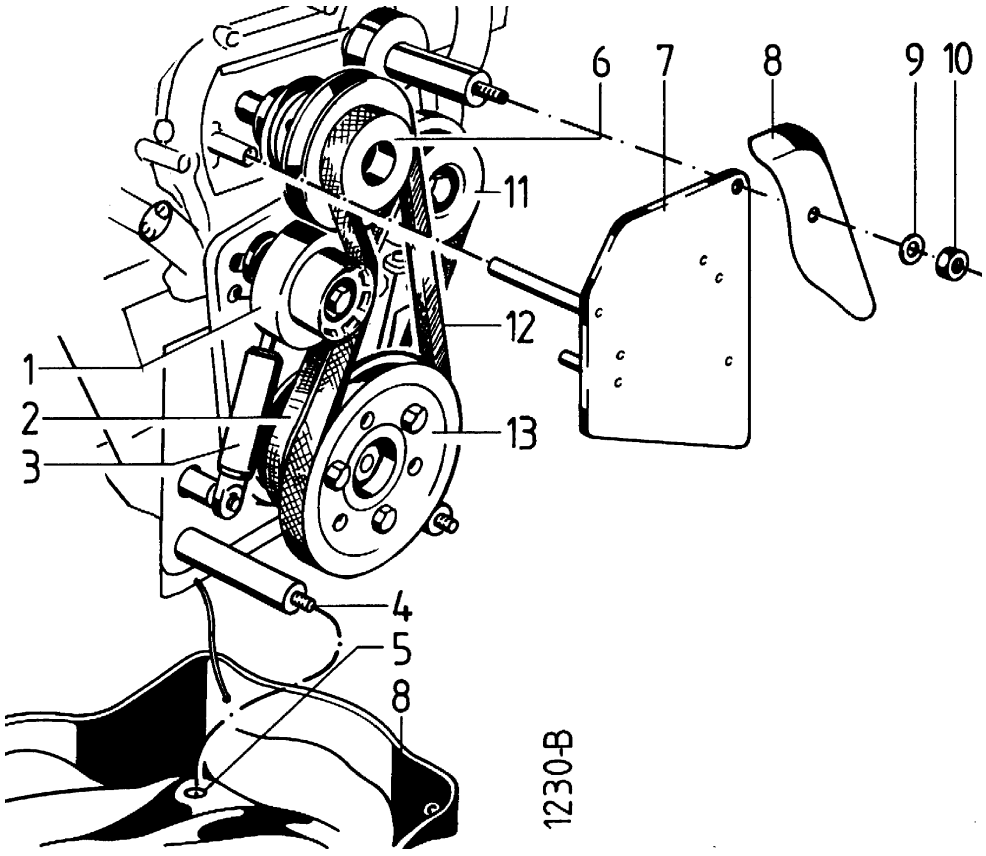
Figure F

1 Idler pulley
2 Drive V-belt for forward speed (clutch)
3 Vibration damper
4 Threaded pin for belt guard
5 Borings for threaded pins
6 V-belt pulley (on crank shaft)
7 Belt guide plate
8 Belt guard
9 Spring washer
10 Lock nut
11 Reverse rubber pulley
12 Drive V-belt for reverse speed
13 V-belt pulley (on drive shaft)

E



F



	A	Always after operating hours						min. after 3 months	min. yearly	B	page
		5	8	25	50	100	250				
Check saefty circuit function	K										51
Check free play of levers	K										51
Check wheel bolts	K										29
Check air filter	K										47
Clean cooling-screen	K										48
Check engine oil level, refill, if necessary	K	K									45 46
Re-tighten cylinder head screws		E									49
First engine oil change		W									45
subsequent oil changes					W						46
Clean engine				K							53
Check transmission oil level				K							50
Check bolts and nuts				K							53
Clean air filter insert				W				W			47
Lubricate differential hub					K				K	K	30
Replace air filter insert earlier, if required!					W						47
Clean spark plug, adjust gap					W						48
Replace spark plug						K					48
Clean cylinder head						F					49
Clean guide plates, cooling fins – earlier, if required						F					48
Change transmission oil									K		50
Lubricate all gliding parts									K	K	53
Lubricate wheel-shaft									K	K	50
Replace fuel hoses									W*		47
Re-charge battery (400K) - see battery									W*		49

A = Each time before you take up operation
B = After each cleaning
E = Nonrecurrent maintenance to be executed by professional workshop
K = Checks and maintenance to be executed by operator
W = Maintenance to be executed by professional workshop
F = Maintenance should be carried out by your agria workshop
** = after 2 years*

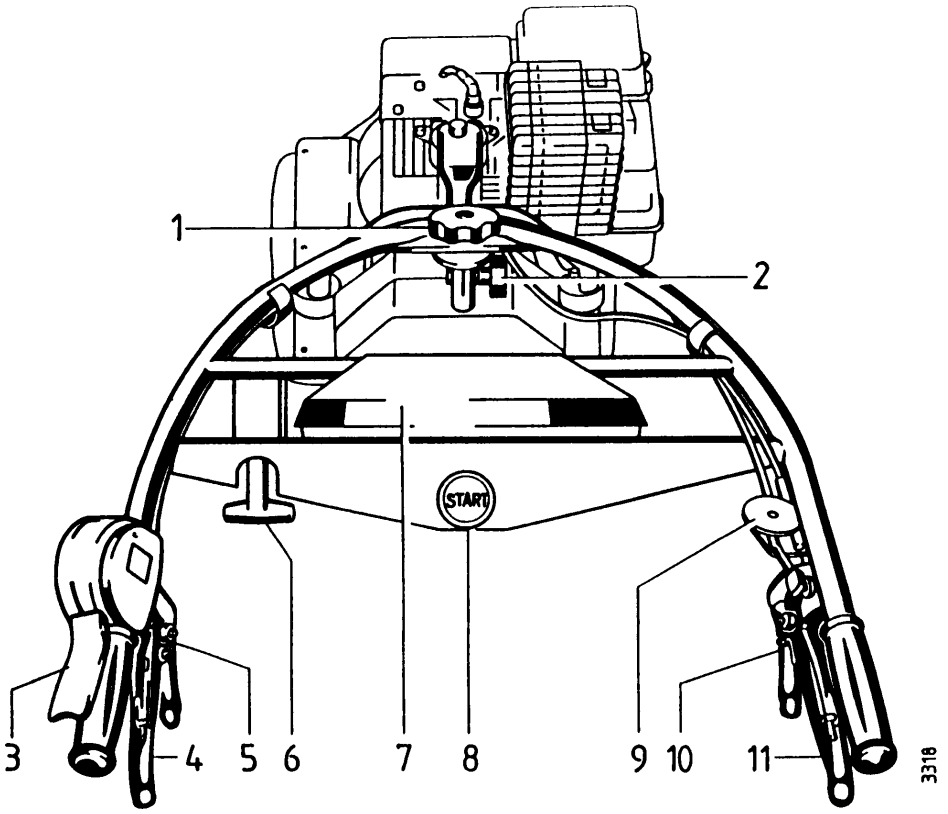
Figure G

1 *Grip screw for steering handle side adjustment*
2 *Grip screw for steering handle height adjustment*
3 *Lever for safety circuit*
4 *Hand clutch lever and forward/reverse shift*
5 *Pawl for hand clutch lever*
6 *Pto-speed lever*
7 *Tool kit*
8 *Starter switch*
9 *Speed control lever, engine-off-switch*
10 *Pawl for wheel drive lever*
11 *Hand lever for wheel-drive*

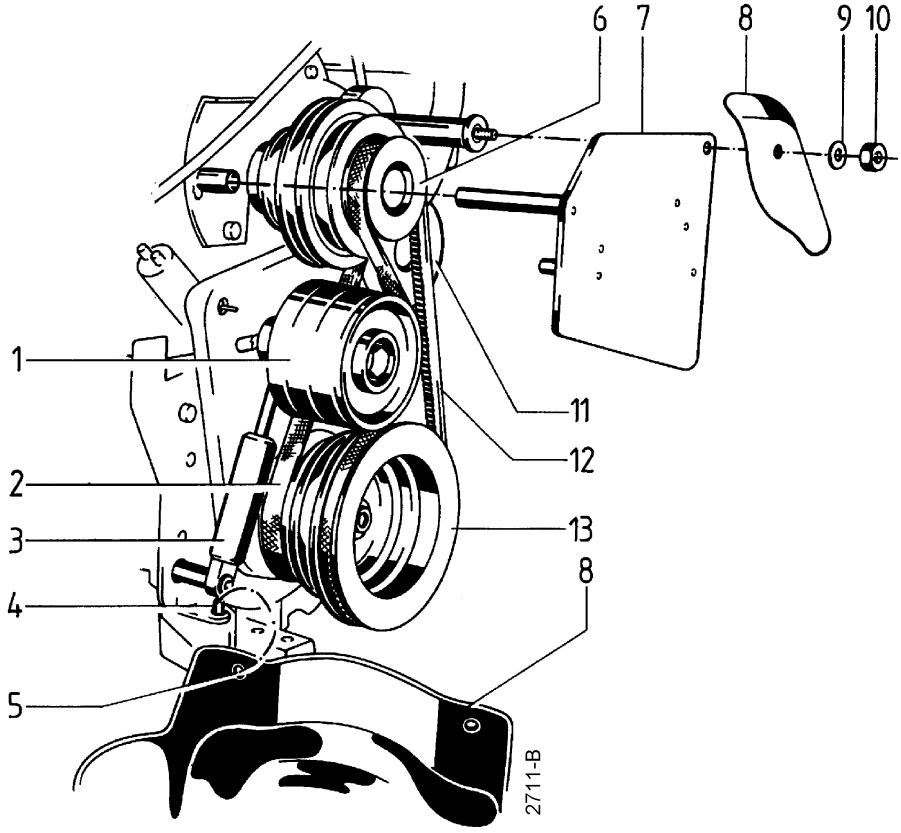
Figure H

1 *Idler pulley*
2 *Drive V-belt for forward speed (clutch)*
3 *Vibration damper*
4 *Threaded pin for belt guard*
5 *Borings for threaded pins*
6 *V-belt pulley (on crank shaft)*
7 *Belt guide plate*
8 *Belt guard*
9 *Spring washer*
10 *Lock nut*
11 *Reverse rubber pulley*
12 *Drive V-belt for reverse speed*
13 *V-belt pulley (on drive shaft)*

G



H



EG-Konformitätserklärung
EC Declaration of Conformity
CE Déclaration de conformité
EG conformiteitsverklaring

(D)	(F)	(GB)	(NL)
Wir	*Nous*	*We*	*Wij*

agria-Werke GmbH
Bittelbronner Str. 42
D-74219 Möckmühl/Württ.

erklären, dass das Produkt	*déclarons que le produit*	*herewith declare that the product*	*verklaren dat het produkt*
Kombigerät	***Machine universelle***	***Multi-purpose machine***	***Combiwerktuig***

0400 331, -341, -351

mit allen einschlägigen Bestimmungen der EG-Maschinenrichtlinie ***2006/42/EG*** *in Übereinstimmung ist.*	*est conforme à toutes les exigences respectives selon la directive relative aux machines* ***2006/42/CE.***	*conforms to all relevant specifications of the Directive on Machinery* ***2006/42/EC.***	*voldoet aan de desbetreffende bepalingen van de EG-machinerichtlijn* ***2006/42/EG.***
Die Maschine ist auch in Übereinstimmung mit allen einschlägigen Bestimmungen der folgenden EG-Richtlinien: ***2004/108/EG, 2000/14/EG***	*La machine est aussi conforme à toutes les exigences respectives selon les directives CE suivantes:* ***2004/108/CE, 2000/14/CE***	*It is also conform to all relevant specifications of following EC directives:* ***2004/108/EC, 2000/14/EC***	*De machine voldoet ook aan de desbetreffende bepalingen van het volgende EG-richtlijnen:* ***2004/108/EG, 2000/14/EG***
Folgende harmonisierte Normen (oder Teile davon) oder techn. Spezifikationen wurden angewendet:	*Les normes harmonisées (ou extraits de celles ci) ou les spécifications techniques suivantes ont été appliquées:*	*Following harmonized standards (or parts of it) or technical specifications have been applied:*	*De volgende geharmoniseerde normen (of delen ervan) of technische specificaties werden toegepast:*

EN 709: 1997 + A1: 1999, EN 12733: 2001 + A1: 2009

Möckmühl, den 15.01.2010

Siegfried Arndt
Geschäftsführer
Directeur
Managing Director
Bedrijfsleider

Rudolf Tigges
Leiter Entwicklung & Konstruktion
Responsable développement et études
Head, Research and Development
Hoofd ontwikkeling en constructie

Herr Tigges ist bevollmächtigt die technischen Unterlagen zusammenzustellen.
Monsieur Tigges est habilité à agencer la documentation technique.
Mr. Tigges is authorized to assort the technical documents.
De heer Tigges is gemachtigd om de technische documentatie op te stellen.
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